

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064504.D
 Acq On : 9 Nov 2020 11:48
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Nov 09 12:23:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 12:16:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	63379	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	337422	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	316586	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	172150	32.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.60%
60) 4-Bromofluorobenzene	12.38	95	161008	29.89	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.63%
63) Toluene-d8	10.06	98	452779	31.57	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	81782	20.054	ug/l 100
3) Chloromethane	2.04	50	90389	20.949	ug/l 100
4) Vinyl Chloride	2.17	62	96589	21.543	ug/l 100
5) Bromomethane	2.54	94	64963	22.095	ug/l 100
6) Chloroethane	2.68	64	61723	23.172	ug/l 100
7) Trichlorofluoromethane	2.99	101	144772	20.070	ug/l 100
8) Diethyl Ether	3.37	74	51215	22.203	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	68793	19.208	ug/l 100
10) 1,1-Dichloroethene	3.69	96	62443	18.285	ug/l 100
11) Methyl Iodide	3.90	142	73013	16.188	ug/l 100
12) Methyl Acetate	4.28	43	77304	21.029	ug/l 100
13) Acrolein	3.57	56	34120	98.034	ug/l 100
14) Acrylonitrile	4.93	53	161589	98.808	ug/l 100
15) Acetone	3.78	58	65543	116.172	ug/l 100
16) Carbon Disulfide	4.00	76	191812	19.514	ug/l 100
17) Allyl chloride	4.27	41	115876	19.104	ug/l 100
18) Methylene Chloride	4.50	84	75083	18.923	ug/l 100
19) trans-1,2-Dichloroethene	4.98	96	69985	18.579	ug/l 100
20) Diisopropyl ether	5.91	45	249138	19.326	ug/l 100
21) 1,1-Dichloroethane	5.79	63	140519	19.315	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	76533	17.417	ug/l 100
23) tert-Butyl Alcohol	4.74	59	59159	96.670	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	215079	17.769	ug/l 100
25) Chloroform	7.33	83	152507	19.553	ug/l 100
26) Cyclohexane	7.61	56	105808	18.419	ug/l 100
29) 1,1-Dichloropropene	7.75	75	107564	19.496	ug/l 100
30) 2-Butanone	6.79	43	276521	109.564	ug/l 100
31) 2,2-Dichloropropane	6.77	77	128956	19.210	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	132673	18.694	ug/l 100
33) Carbon Tetrachloride	7.73	117	118225	18.513	ug/l 100
34) Benzene	8.00	78	307771	19.743	ug/l 100
35) Methacrylonitrile	7.13	41	44390	18.053	ug/l 100
36) 1,2-Dichloroethane	8.08	62	130326	20.267	ug/l 100
37) Trichloroethene	8.80	130	76375	17.763	ug/l 100
38) Methylcyclohexane	9.05	83	93511	18.855	ug/l 100
39) 1,2-Dichloropropane	9.08	63	83785	20.678	ug/l 100
40) Dibromomethane	9.17	93	56915	19.687	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	123121	20.089	ug/l	100
42) Vinyl Acetate	5.85	43	1033820	97.868	ug/l	100
43) Ethyl Acetate	6.88	43	92103	18.789	ug/l	100
44) Isopropyl Acetate	8.13	43	168654	19.674	ug/l	100
45) 1,4-Dioxane	9.17	88	25263	412.529	ug/l	100
46) Methyl methacrylate	9.16	41	82566	19.492	ug/l	100
47) n-amyl Acetate	12.05	43	140382	19.209	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	124916	18.578	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	131522	18.919	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	75490	19.486	ug/l	100
51) Ethyl methacrylate	10.40	69	101490	18.275	ug/l	100
52) 1,3-Dichloropropane	10.68	76	128062	19.626	ug/l	100
53) Dibromochloromethane	10.87	129	86038	18.195	ug/l	100
54) 1,2-Dibromoethane	10.98	107	75434	18.380	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	285715	94.443	ug/l	100
56) Bromoform	12.10	173	56135	16.916	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	529671	103.234	ug/l	100
59) 2-Hexanone	10.72	43	401560	105.465	ug/l	100
61) Tetrachloroethene	10.60	164	73176	17.342	ug/l	100
62) Toluene	10.12	91	338120	18.942	ug/l	100
64) Chlorobenzene	11.41	112	199008	18.000	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	78559	18.328	ug/l	100
66) Ethyl Benzene	11.48	91	350364	17.980	ug/l	100
67) m/p-Xylenes	11.60	106	263641	35.944	ug/l	100
68) o-Xylene	11.92	106	123506	17.559	ug/l	100
69) Styrene	11.94	104	206795	17.515	ug/l	100
70) Isopropylbenzene	12.22	105	324914	17.820	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	105308	20.230	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	146664	27.345	ug/l	59
73) Bromobenzene	12.50	156	78792	16.872	ug/l	100
74) n-propylbenzene	12.57	91	378740	18.703	ug/l	100
75) 2-Chlorotoluene	12.65	91	243548	19.015	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	276611	18.252	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	36075	18.910	ug/l	100
78) 4-Chlorotoluene	12.75	91	253159	19.031	ug/l	100
79) tert-butylbenzene	12.97	119	205946	17.287	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	273277	17.906	ug/l	100
81) sec-Butylbenzene	13.14	105	284032	18.538	ug/l	100
82) p-Isopropyltoluene	13.26	119	250184	17.868	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	137668	17.145	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	135354	16.824	ug/l	100
85) n-Butylbenzene	13.59	91	205775	18.329	ug/l	100
86) Hexachloroethane	13.85	117	50370	18.847	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	134110	17.384	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	21908	19.507	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	54927	14.795	ug/l	100
90) Hexachlorobutadiene	14.98	225	30852	15.620	ug/l	100
91) Naphthalene	15.11	128	174509	15.519	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	57691	15.449	ug/l	100

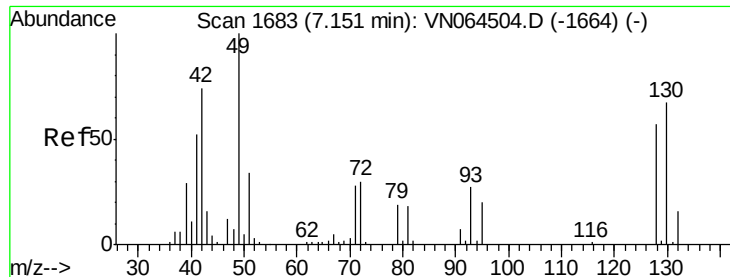
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

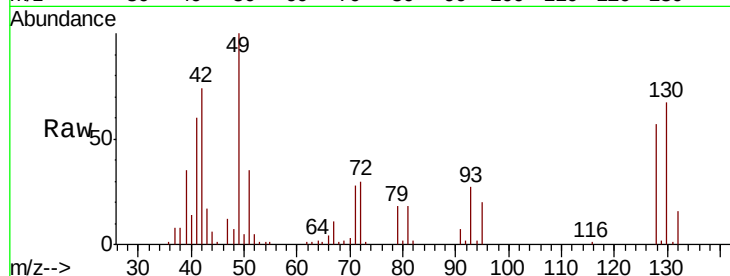
Tot Ion:128 Resp: 63379

Ion Ratio Lower Upper

128 100

49 190.2 0.0 475.5

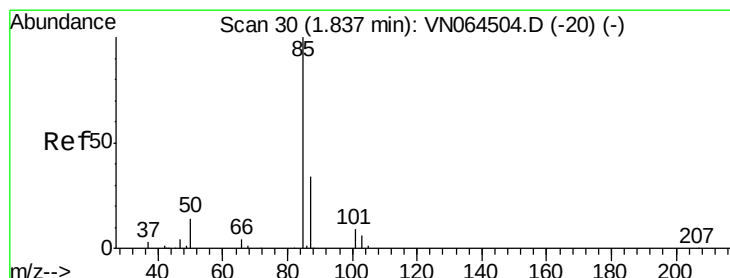
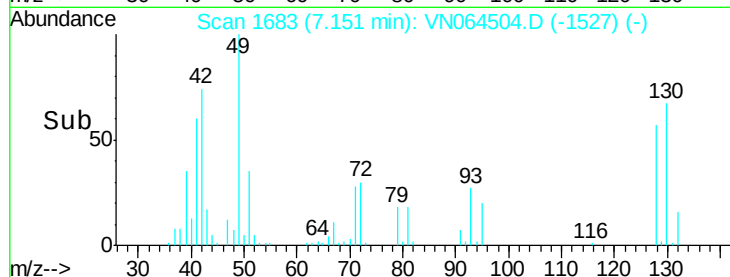
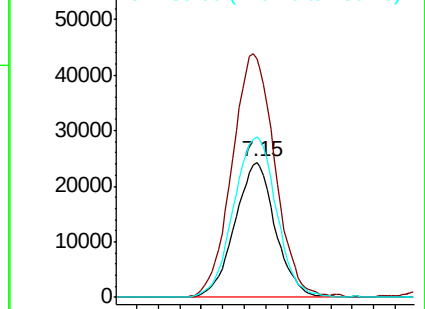
130 126.1 0.0 315.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.054 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064504.D

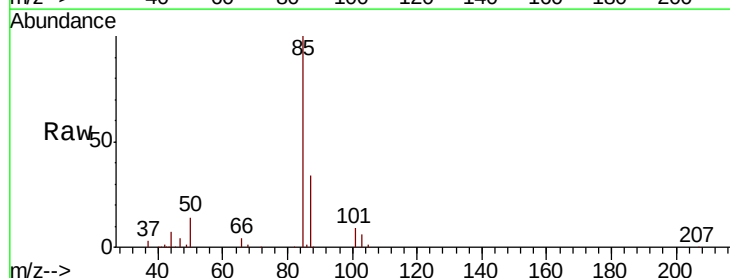
Acq: 9 Nov 2020 11:48

Tgt Ion: 85 Resp: 81782

Ion Ratio Lower Upper

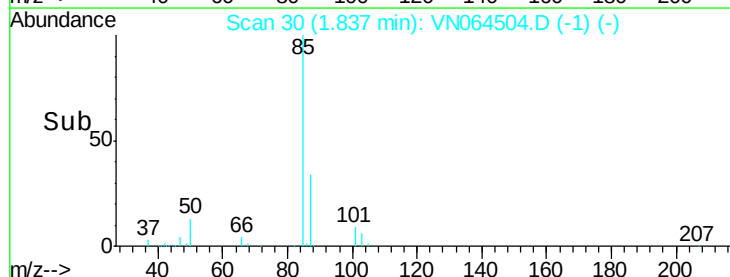
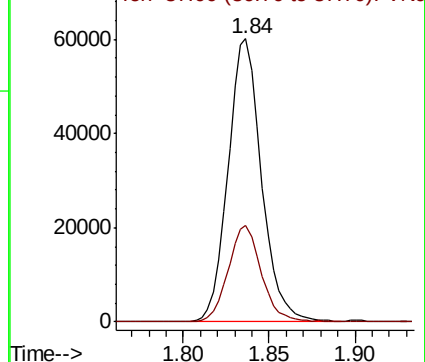
85 100

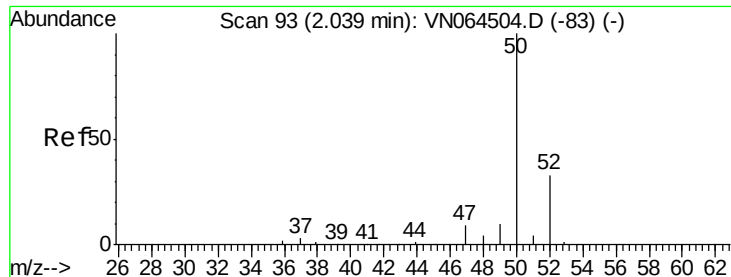
87 33.9 17.0 50.9



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.949 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

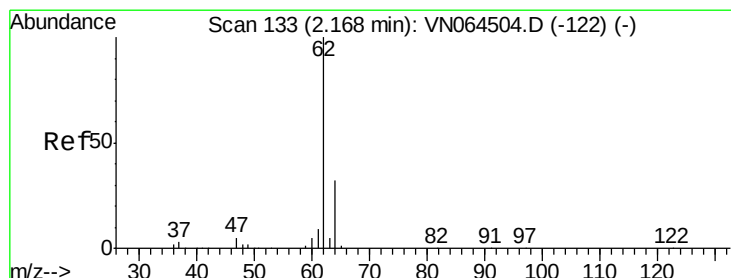
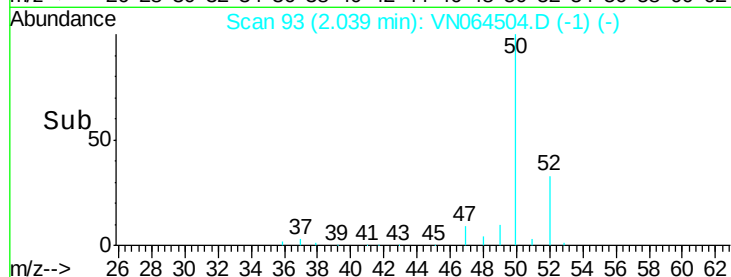
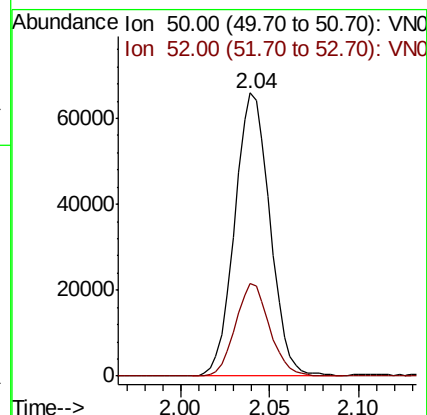
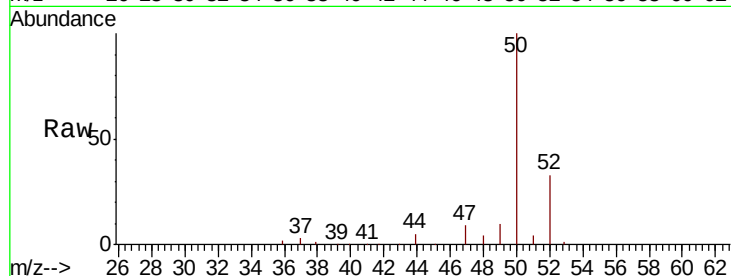
VSTDICCC020

Tot Ion: 50 Resp: 90389

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 21.543 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064504.D

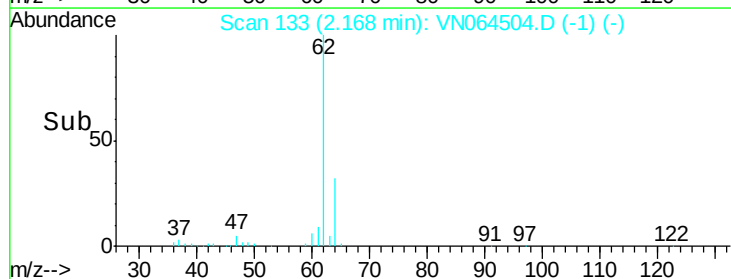
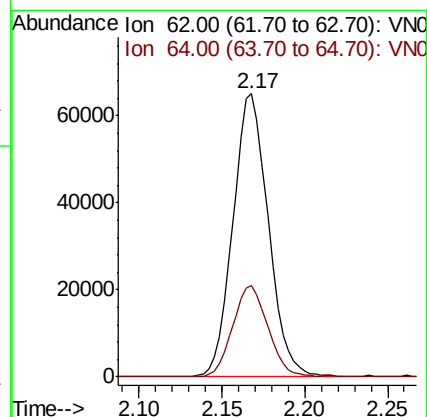
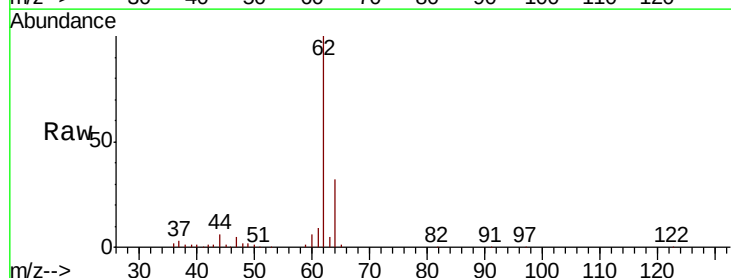
Acq: 9 Nov 2020 11:48

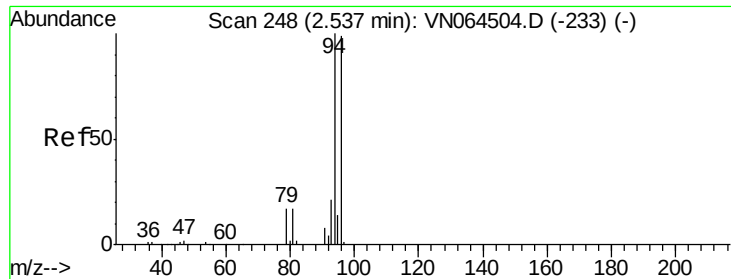
Tgt Ion: 62 Resp: 96589

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8

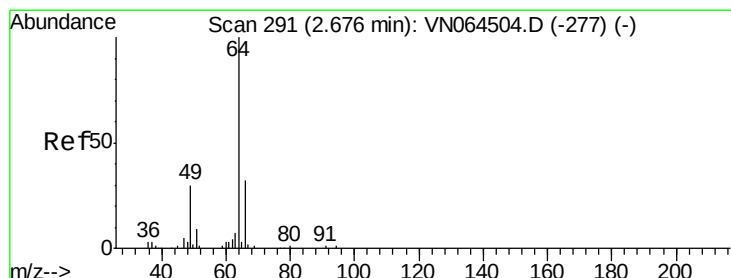
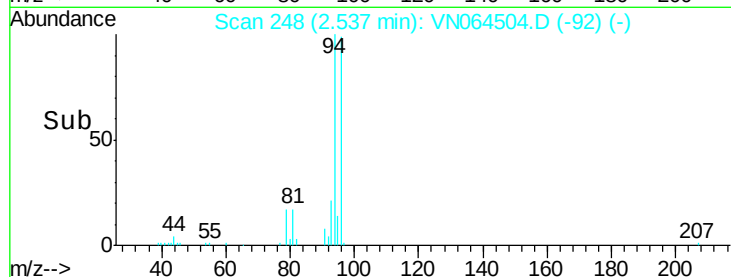
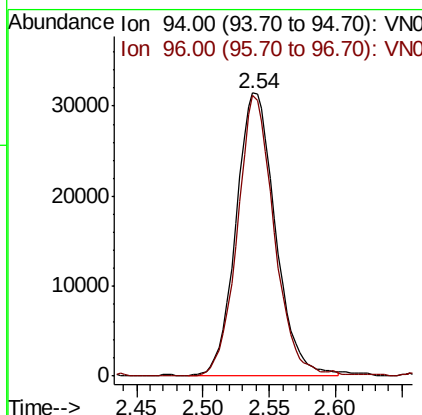
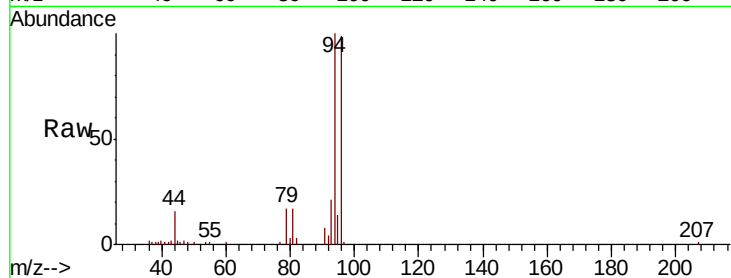




#5
Bromomethane
Concen: 22.095 ug/l
RT: 2.54 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

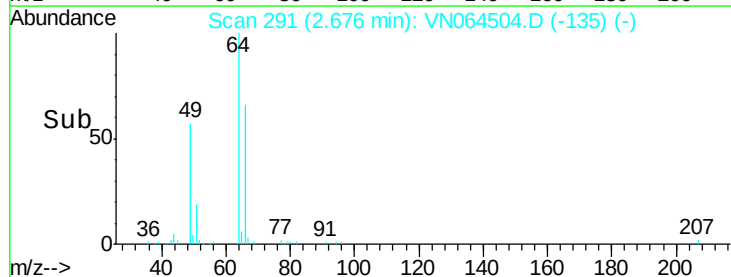
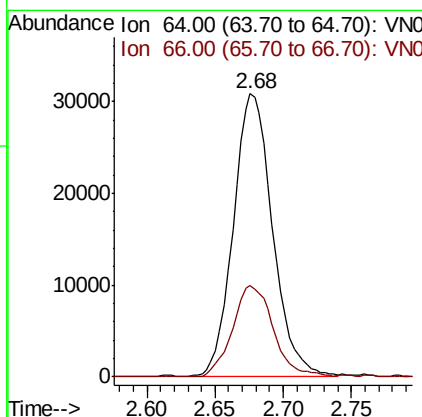
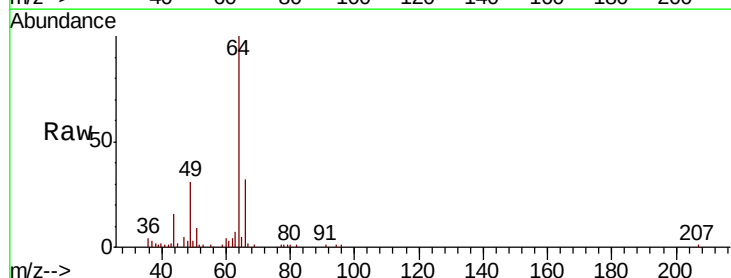
Instrument :
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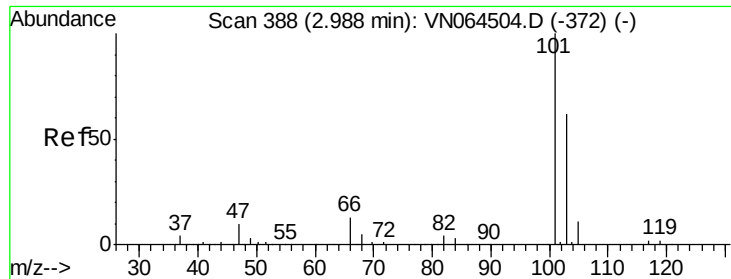
Tot Ion: 94 Resp: 64963
Ion Ratio Lower Upper
94 100
96 99.1 79.3 118.9



#6
Chloroethane
Concen: 23.172 ug/l
RT: 2.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 64 Resp: 61723
Ion Ratio Lower Upper
64 100
66 32.5 26.0 39.0



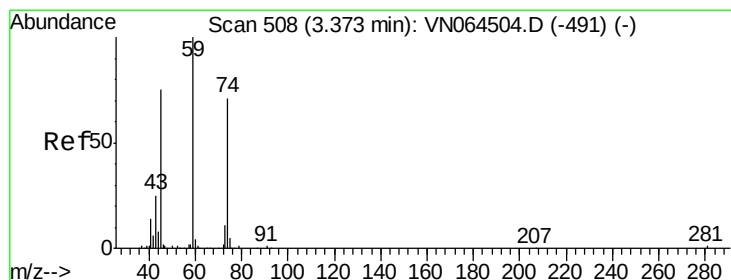
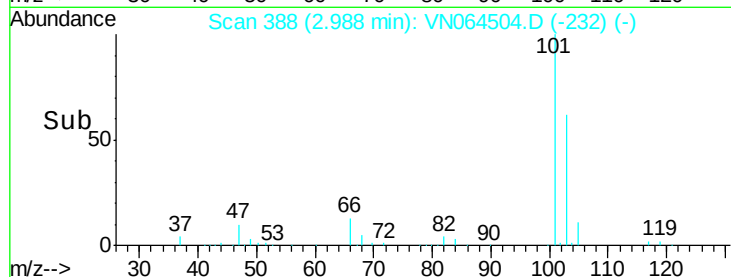
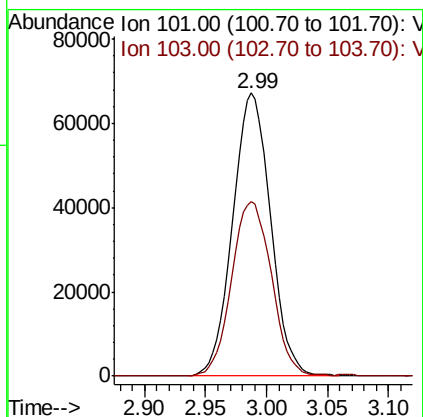
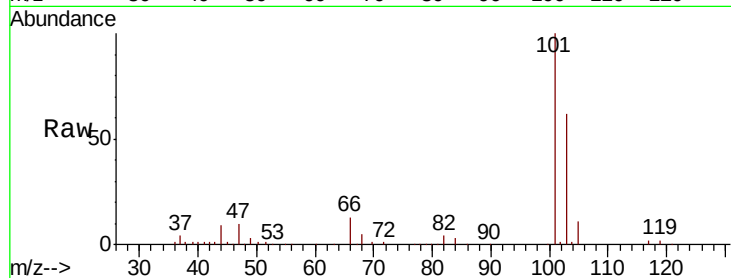


#7

Trichlorofluoromethane
 Concen: 20.070 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Instrument :
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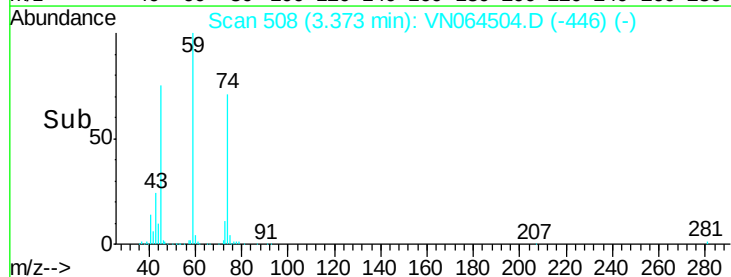
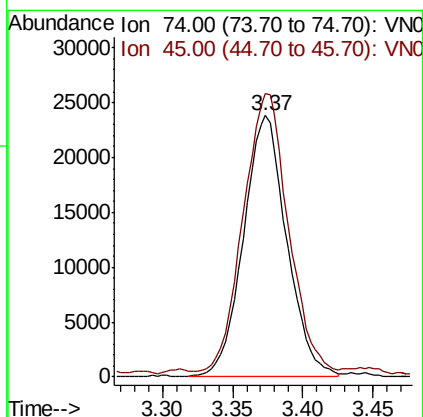
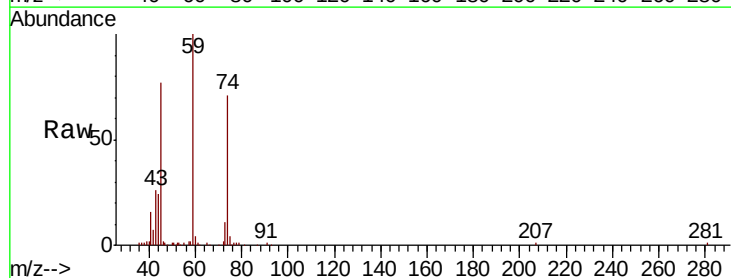
Tot Ion:101 Resp: 144772
 Ion Ratio Lower Upper
 101 100
 103 61.6 49.3 73.9

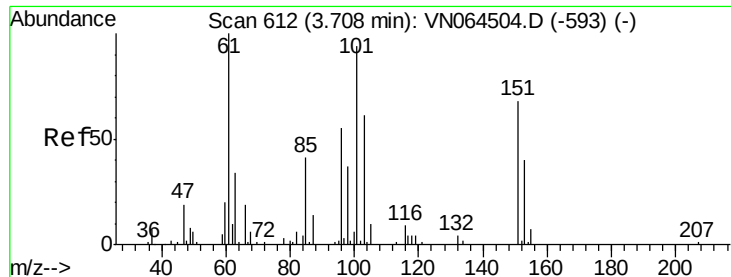


#8

Diethyl Ether
 Concen: 22.203 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion: 74 Resp: 51215
 Ion Ratio Lower Upper
 74 100
 45 110.3 22.1 198.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.208 ug/l

RT: 3.71 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

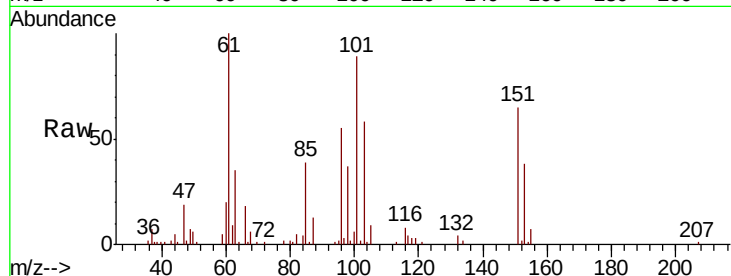
Tot Ion:101 Resp: 68793

Ion Ratio Lower Upper

101 100

85 24.5 0.0 49.0

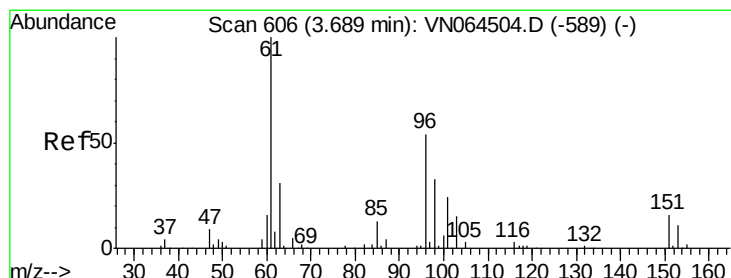
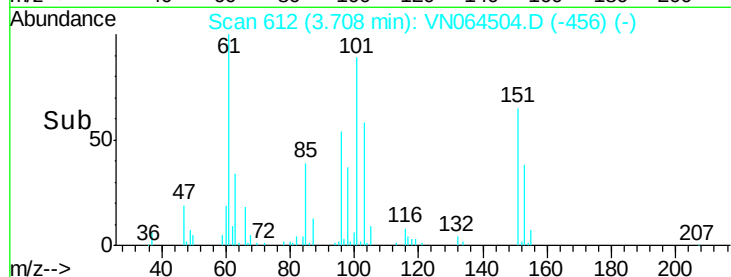
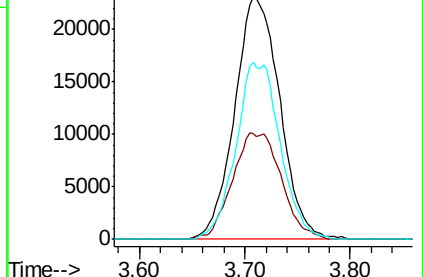
151 40.1 0.0 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.285 ug/l

RT: 3.69 min Scan# 606

Delta R.T. 0.00 min

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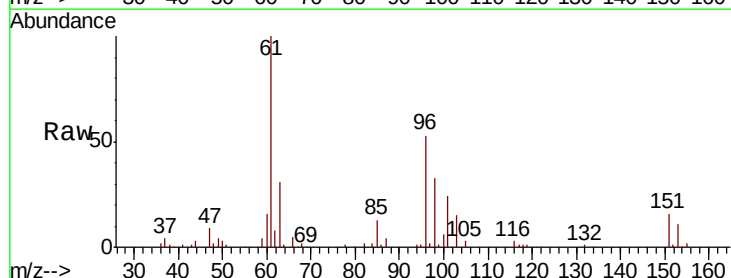
Tgt Ion: 96 Resp: 62443

Ion Ratio Lower Upper

96 100

61 186.5 149.2 223.8

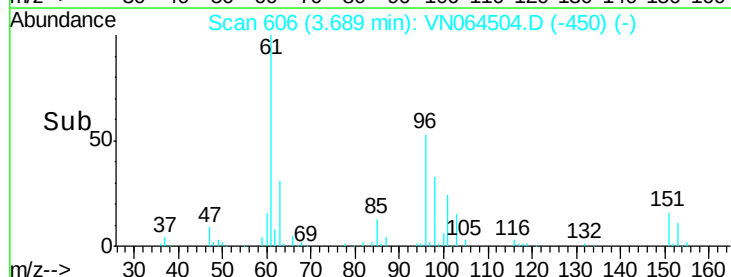
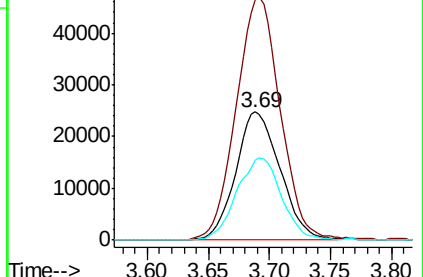
98 62.0 49.6 74.4

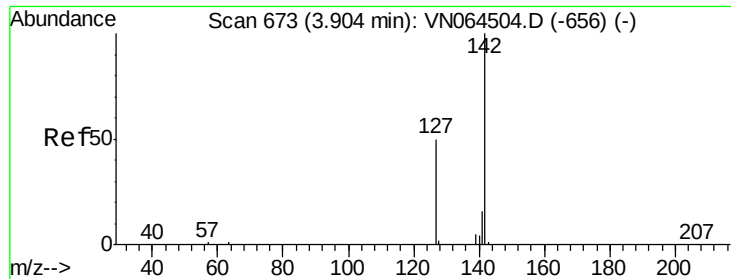


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

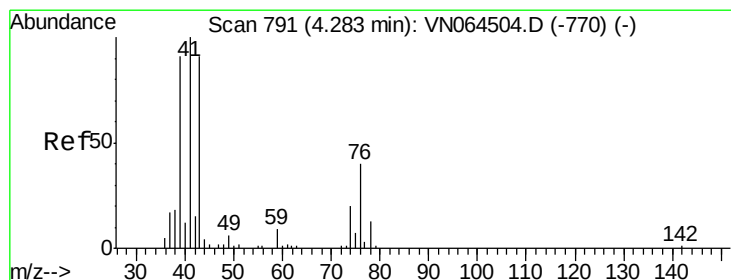
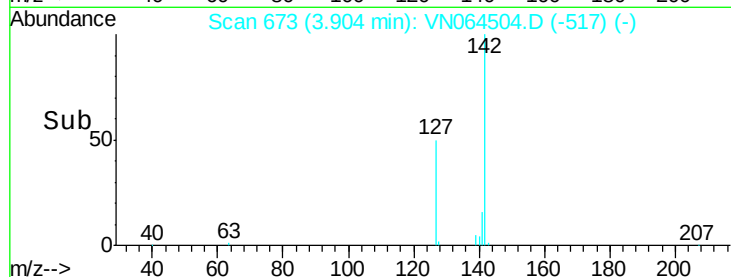
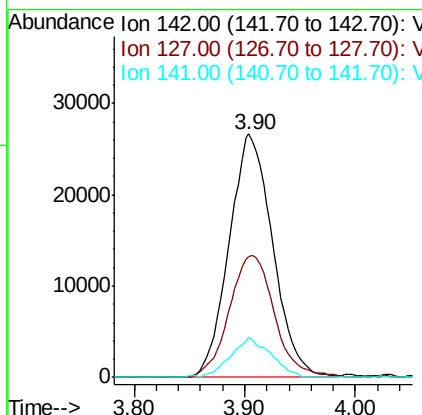
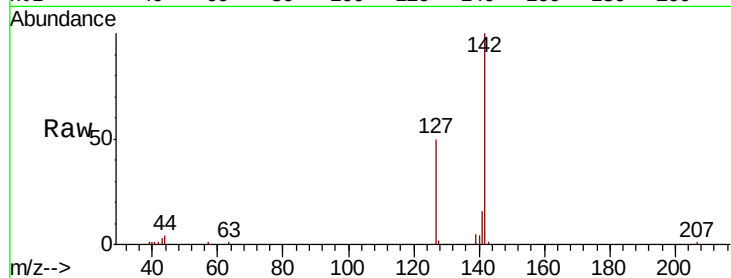




#11
Methyl Iodide
Concen: 16.188 ug/l
RT: 3.90 min Scan# 673
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

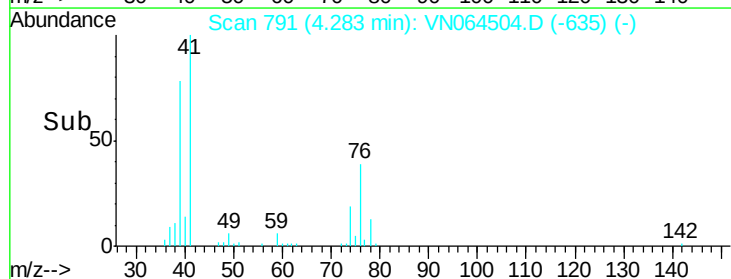
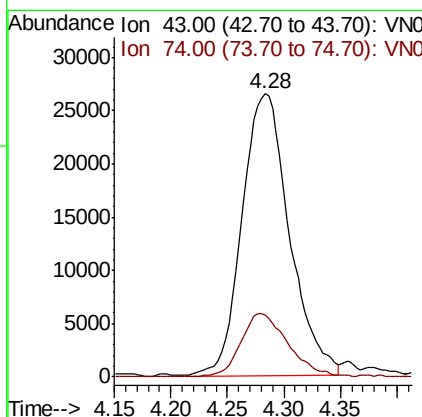
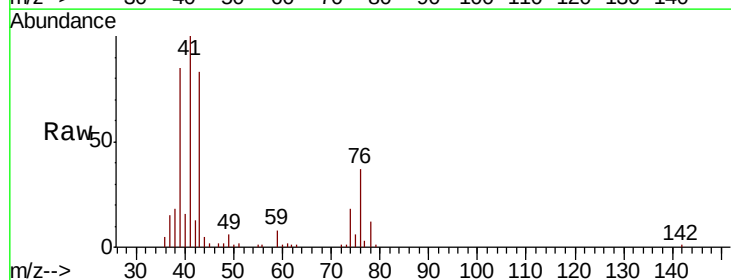
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

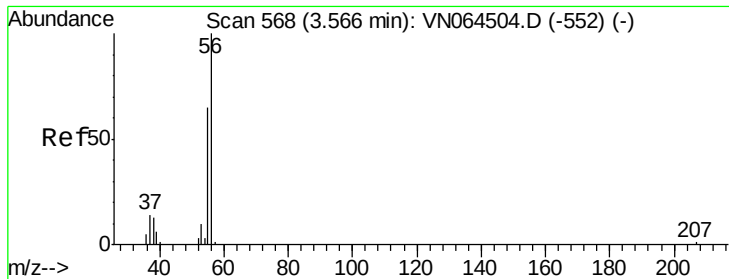
Tot Ion:142 Resp: 73013
Ion Ratio Lower Upper
142 100
127 49.4 24.7 74.1
141 15.5 7.8 23.3



#12
Methyl Acetate
Concen: 21.029 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 43 Resp: 77304
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5





#13

Acrolein

Concen: 98.034 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

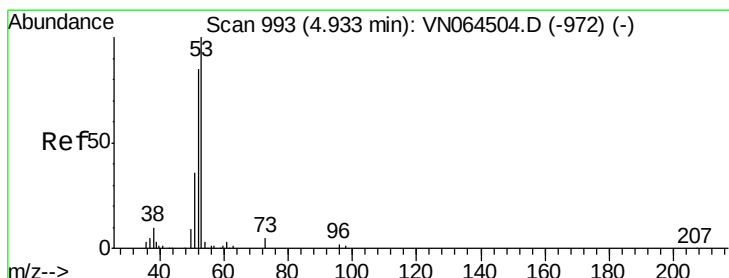
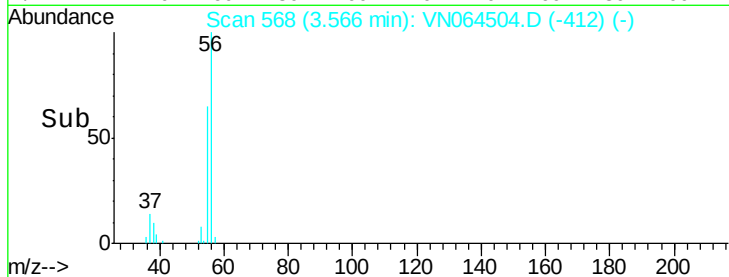
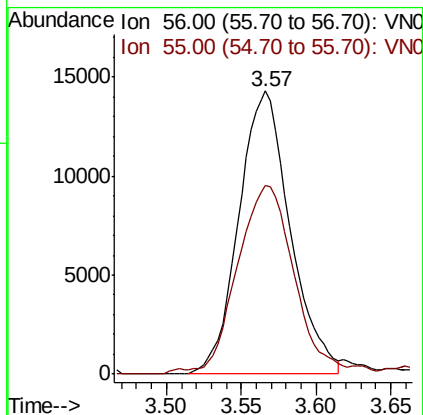
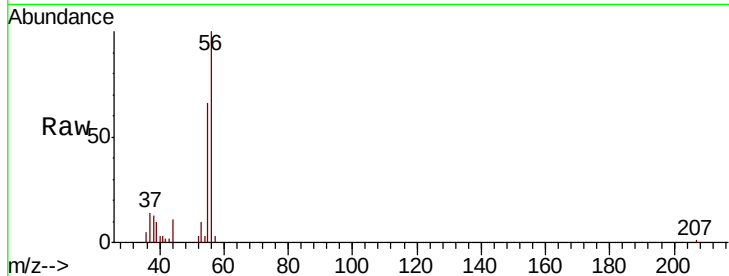
VSTDICCC020

Tot Ion: 56 Resp: 34120

Ion Ratio Lower Upper

56 100

55 72.7 58.2 87.2



#14

Acrylonitrile

Concen: 98.808 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

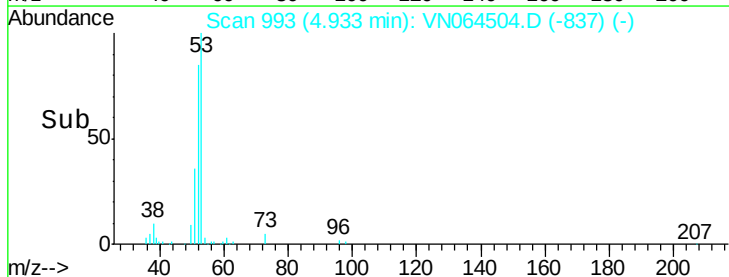
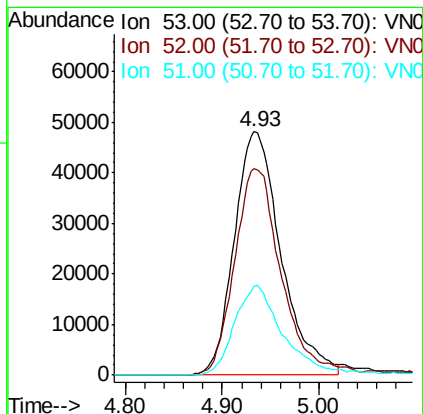
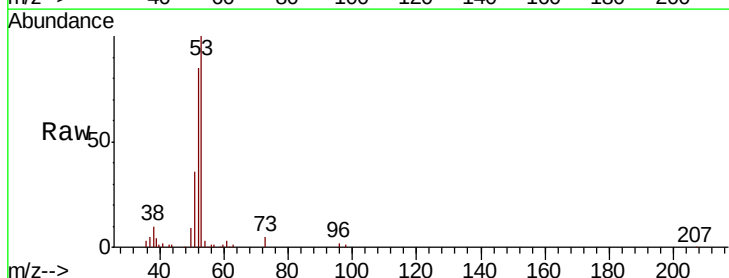
Tgt Ion: 53 Resp: 161589

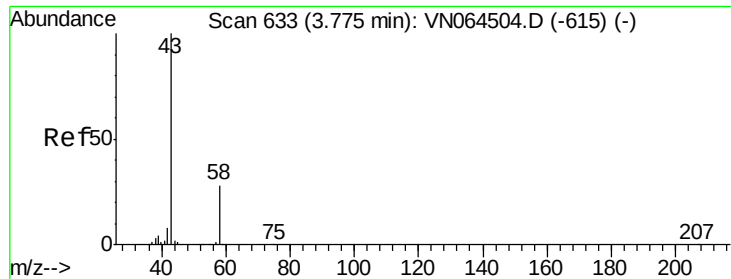
Ion Ratio Lower Upper

53 100

52 82.7 41.3 124.1

51 37.7 18.9 56.5

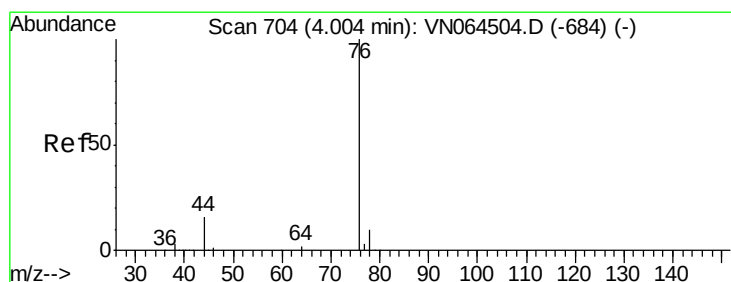
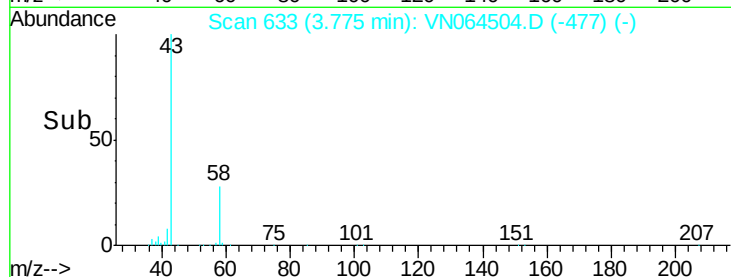
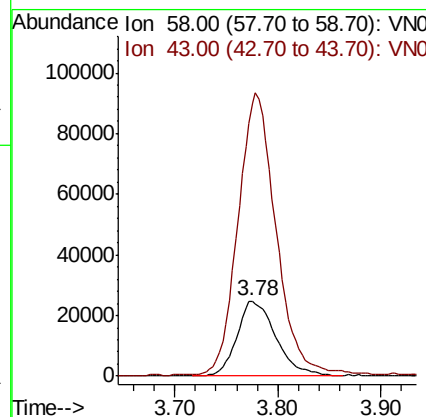
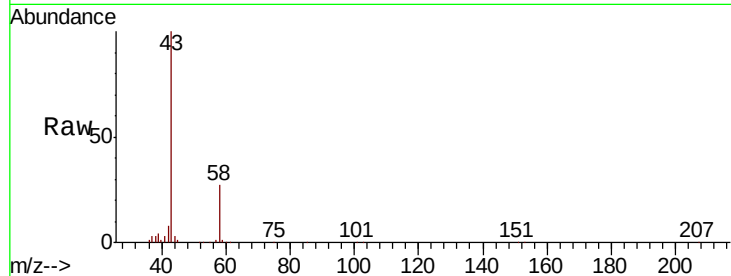




#15
Acetone
Concen: 116.172 ug/l
RT: 3.78 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

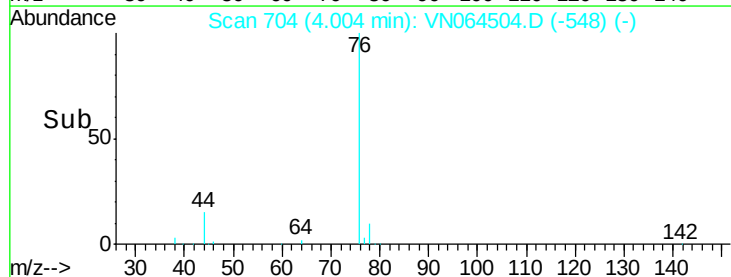
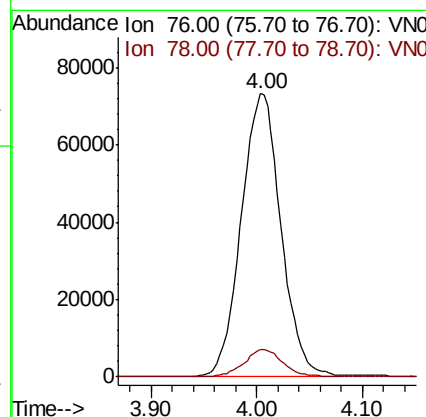
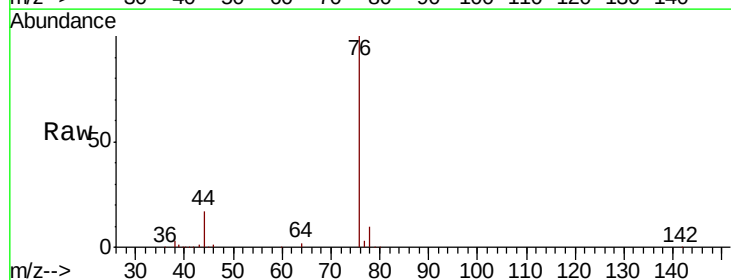
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

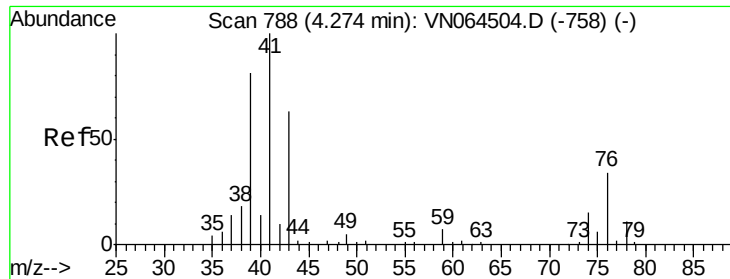
Tot Ion: 58 Resp: 65543
Ion Ratio Lower Upper
58 100
43 362.3 289.8 434.8



#16
Carbon Disulfide
Concen: 19.514 ug/l
RT: 4.00 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 76 Resp: 191812
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

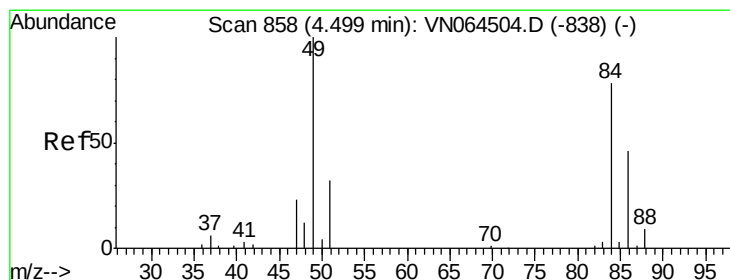
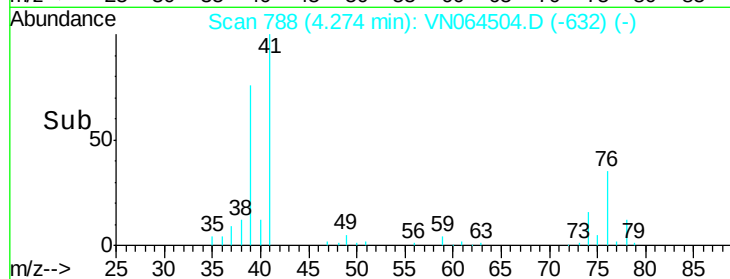
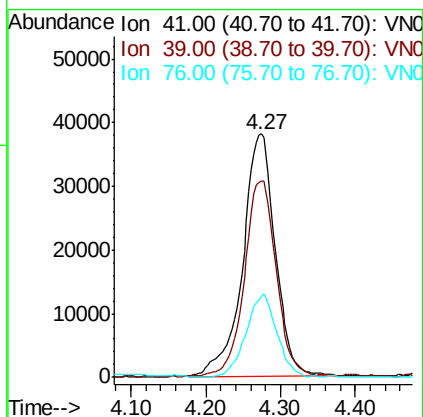
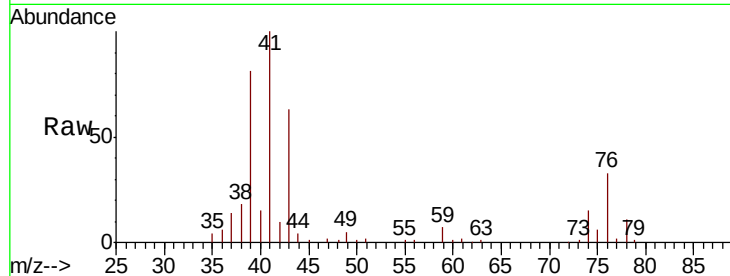




#17
Allvl chloride
Concen: 19.104 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

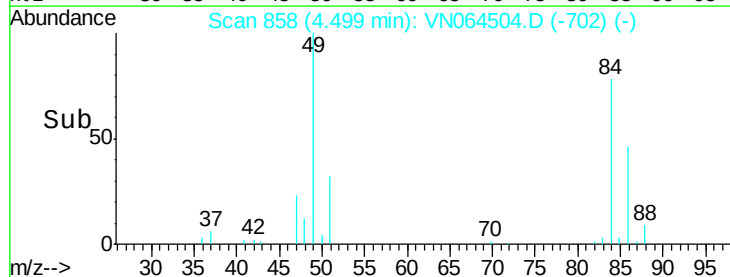
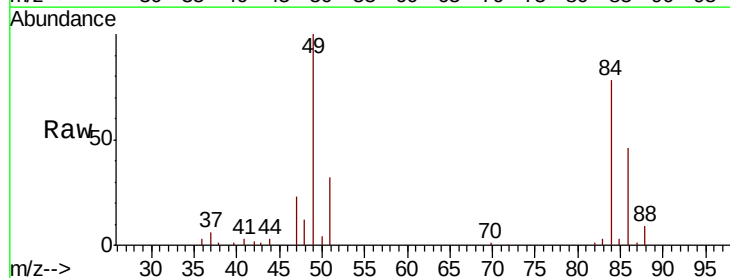
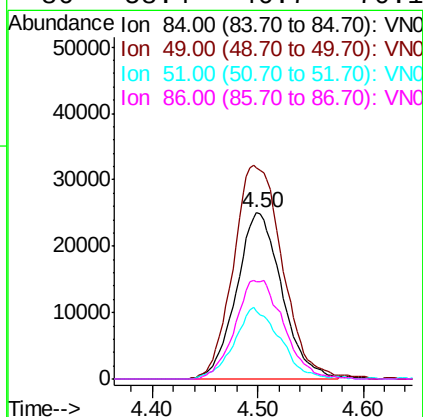
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

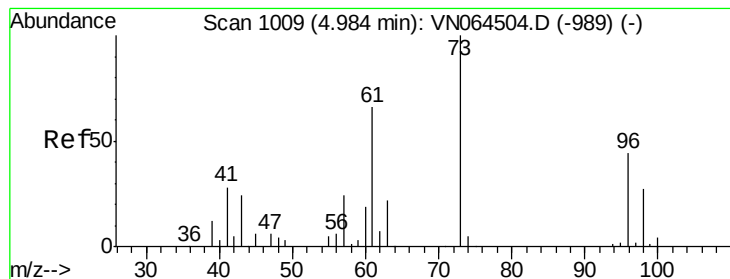
Tot Ion: 41 Resp: 115876
Ion Ratio Lower Upper
41 100
39 80.5 40.3 120.8
76 33.5 16.8 50.3



#18
Methylene Chloride
Concen: 18.923 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 84 Resp: 75083
Ion Ratio Lower Upper
84 100
49 127.6 102.1 153.1
51 40.7 32.6 48.8
86 58.4 46.7 70.1





#19

trans-1,2-Dichloroethene

Concen: 18.579 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

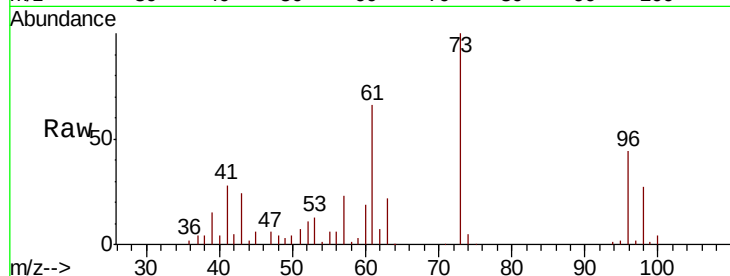
Tot Ion: 96 Resp: 69985

Ion Ratio Lower Upper

96 100

61 150.1 120.1 180.1

98 61.4 49.1 73.7

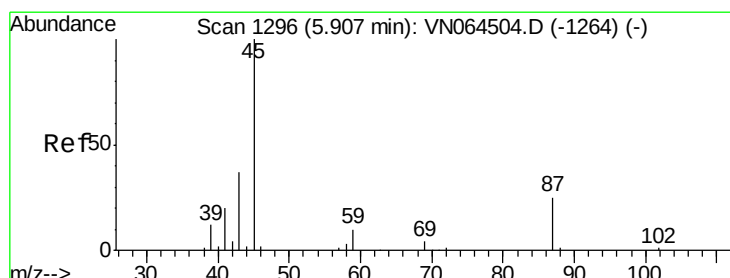
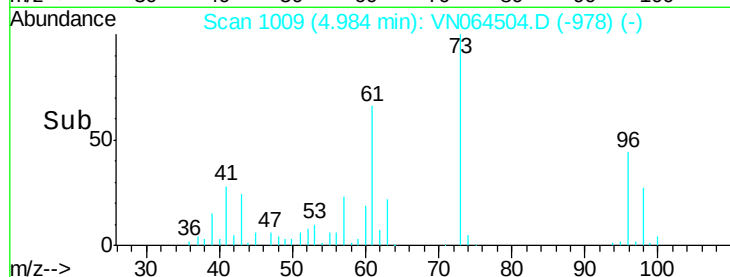
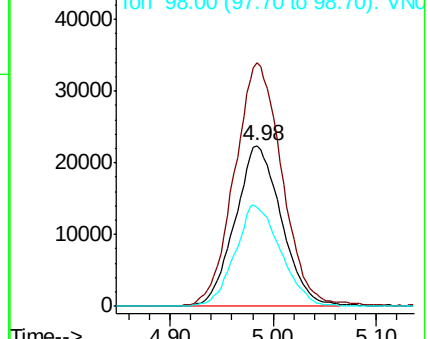


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.326 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Tgt Ion: 45 Resp: 249138

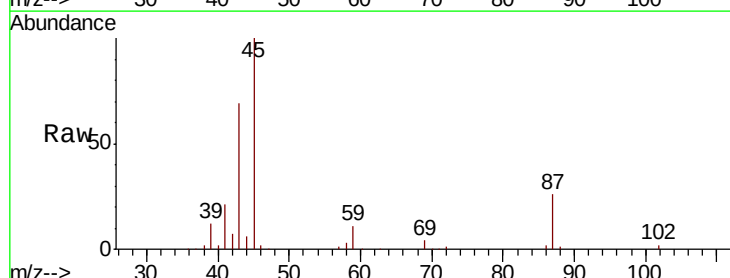
Ion Ratio Lower Upper

45 100

43 66.4 53.1 79.7

87 26.3 21.0 31.6

59 10.3 8.2 12.4



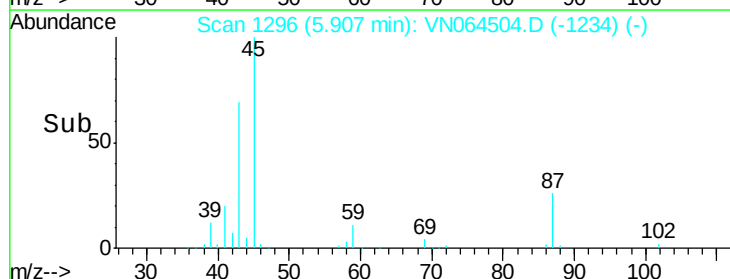
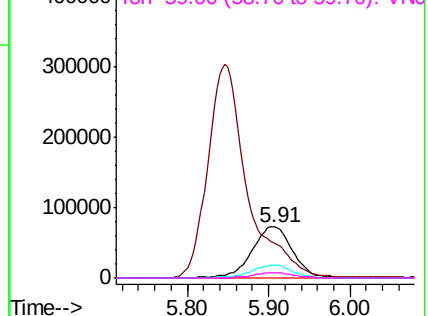
Abundance

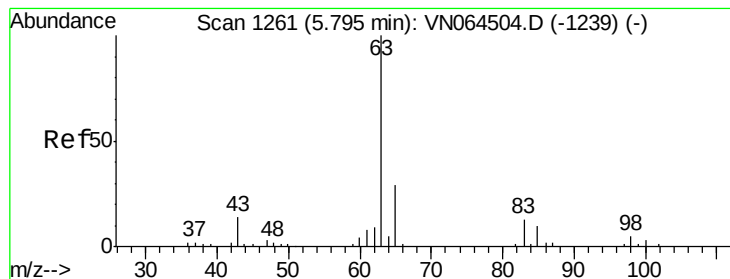
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.315 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

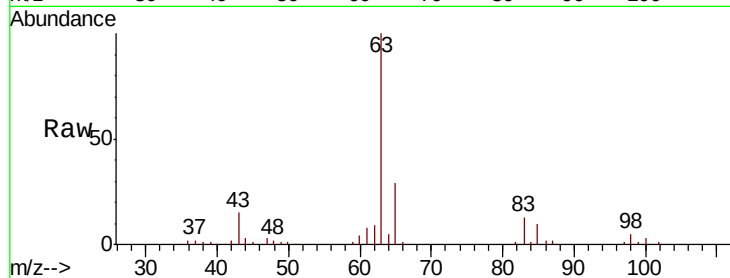
Tot Ion: 63 Resp: 140519

Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

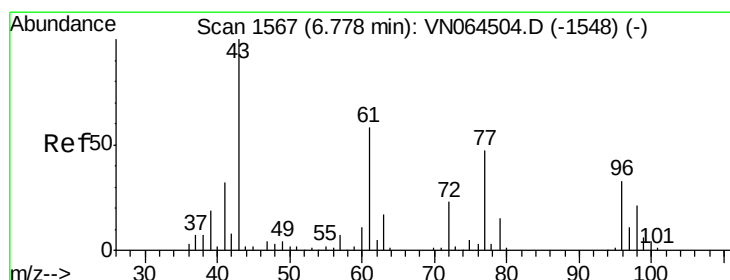
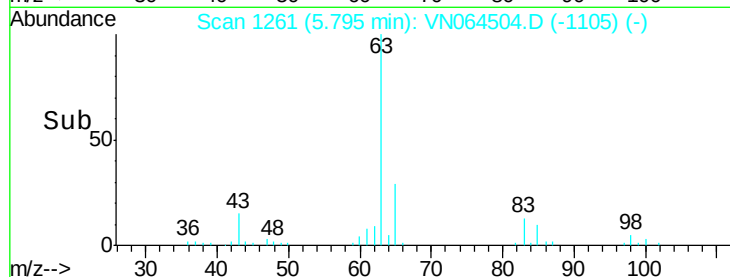
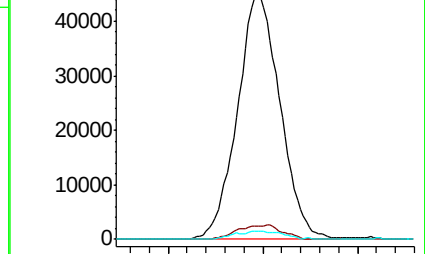
100 3.4 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VN064504.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VN064504.D (-1239) (-)

Ion 100.00 (99.70 to 100.70): VN064504.D (-1239) (-)



#22

cis-1,2-Dichloroethene

Concen: 17.417 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

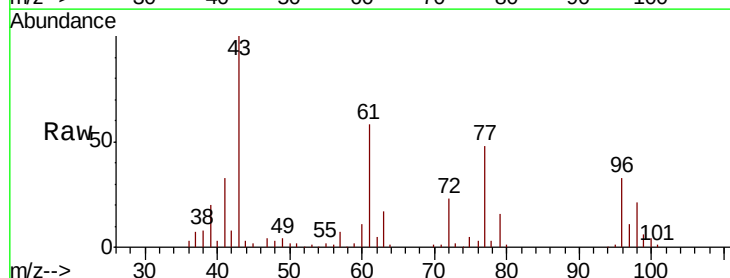
Tgt Ion: 96 Resp: 76533

Ion Ratio Lower Upper

96 100

61 170.1 136.1 204.1

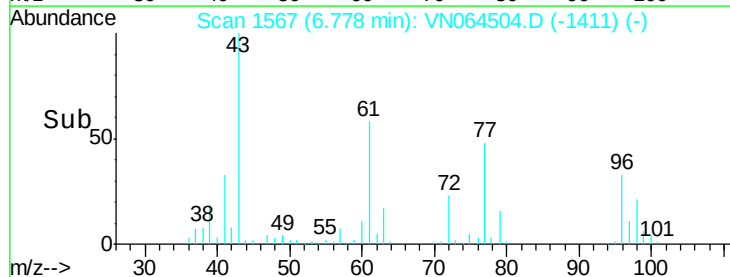
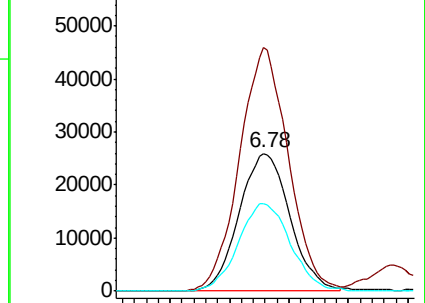
98 64.8 51.8 77.8

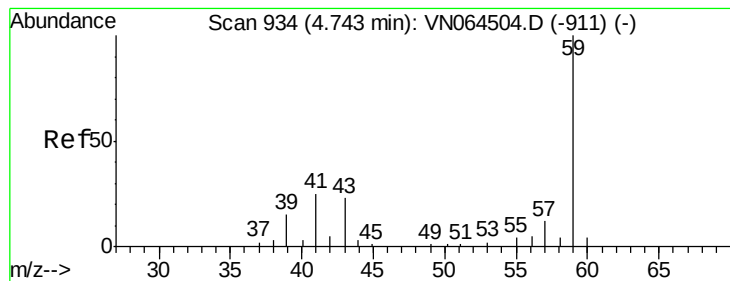


Abundance Ion 96.00 (95.70 to 96.70): VN064504.D (-1548) (-)

Ion 61.00 (60.70 to 61.70): VN064504.D (-1548) (-)

Ion 98.00 (97.70 to 98.70): VN064504.D (-1548) (-)





#23

tert-Butyl Alcohol

Concen: 96.670 ug/l

RT: 4.74 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

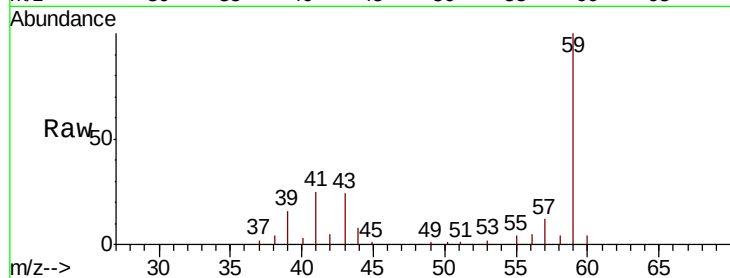
VSTDICCC020

Tot Ion: 59 Resp: 59159

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN064504.D (-911) (-)

Ion 52.00 (51.70 to 52.70): VN064504.D (-911) (-)

4.74

15000

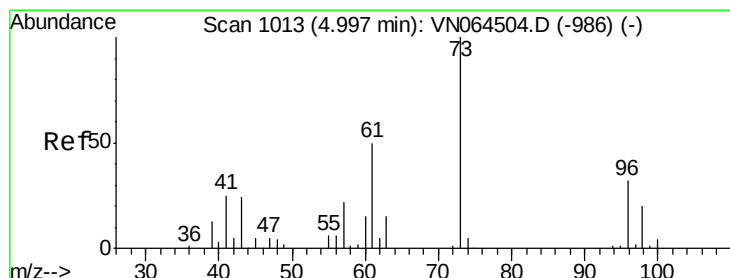
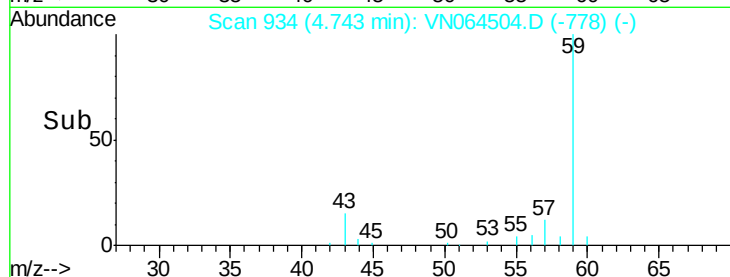
10000

5000

0

Time-->

4.60 4.70 4.80



#24

Methyl tert-Butyl Ether

Concen: 17.769 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN064504.D

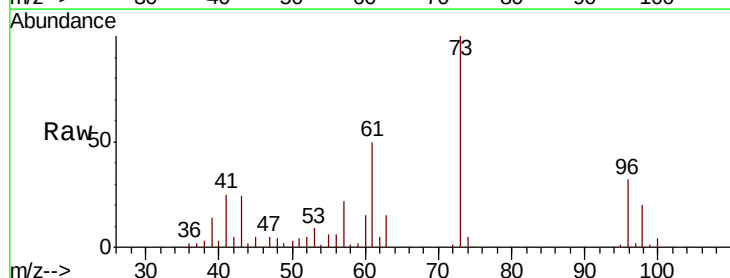
Acq: 9 Nov 2020 11:48

Tgt Ion: 73 Resp: 215079

Ion Ratio Lower Upper

73 100

43 12.7 10.2 15.2



Abundance Ion 73.00 (72.70 to 73.70): VN064504.D (-986) (-)

Ion 43.00 (42.70 to 43.70): VN064504.D (-986) (-)

5.00

60000

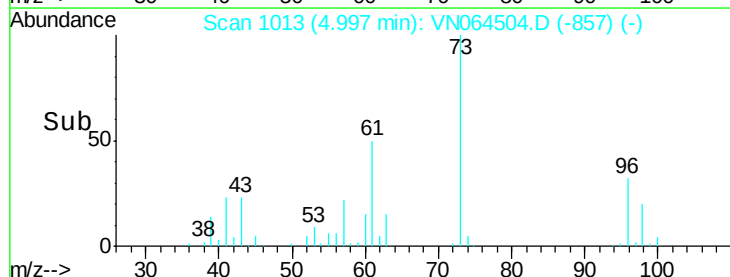
40000

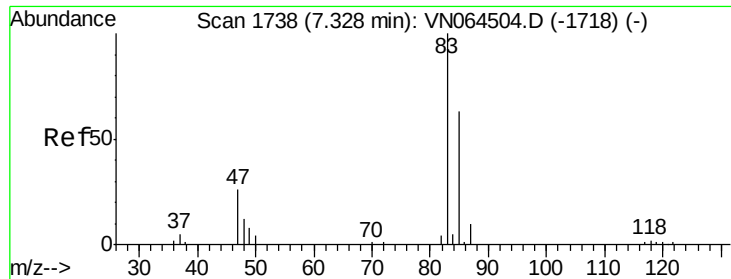
20000

0

Time-->

4.90 5.00 5.10

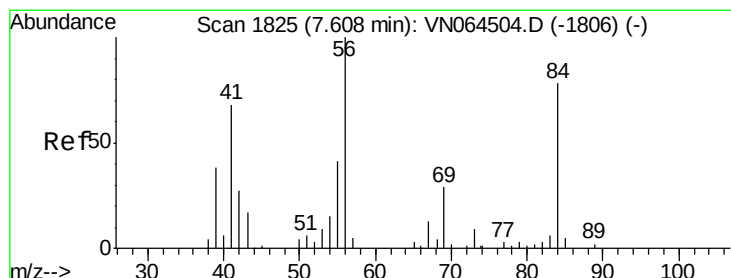
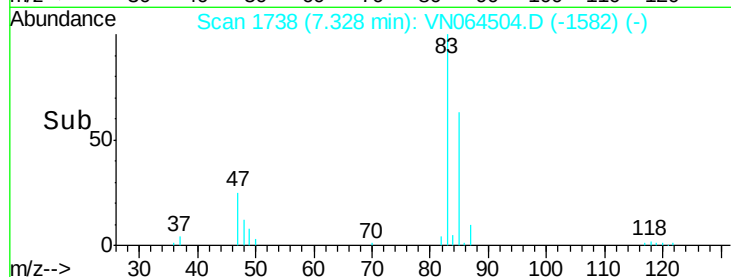
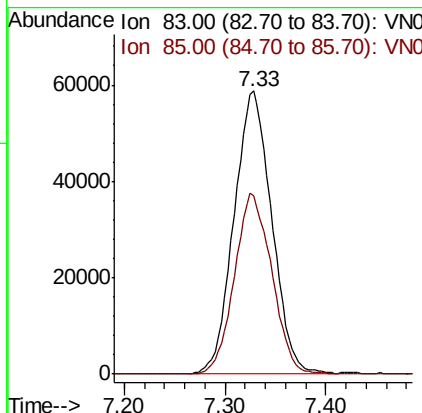
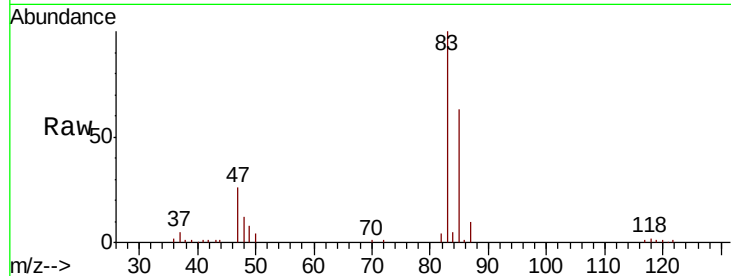




#25
Chloroform
Concen: 19.553 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

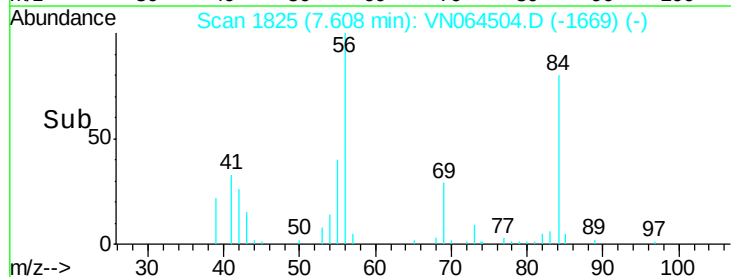
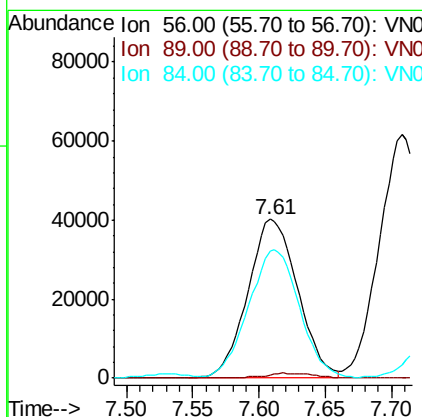
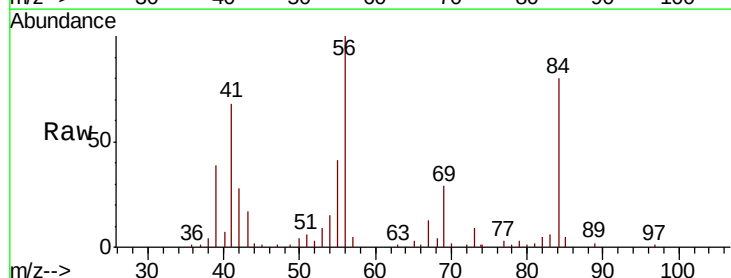
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

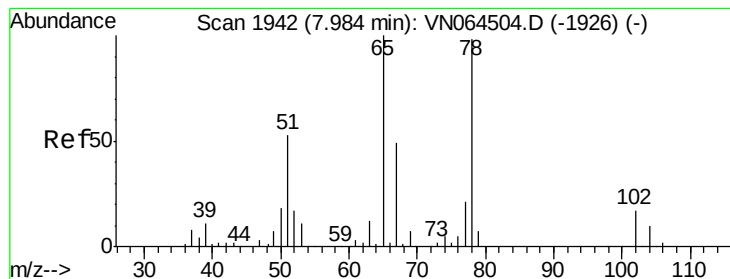
Tot Ion: 83 Resp: 152507
Ion Ratio Lower Upper
83 100
85 63.2 50.6 75.8



#26
Cyclohexane
Concen: 18.419 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 56 Resp: 105808
Ion Ratio Lower Upper
56 100
89 0.7 0.6 0.8
84 82.6 66.1 99.1





#27

1,2-Dichloroethane-d4

Concen: 32.883 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

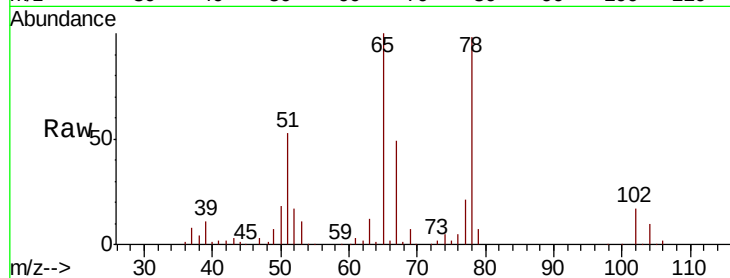
VSTDICCC020

Tot Ion: 65 Resp: 172150

Ion Ratio Lower Upper

65 100

67 51.4 41.1 61.7



Abundance Ion 65.00 (64.70 to 65.70): VN064504.D (-1926) (-)

Ion 67.00 (66.70 to 67.70): VN064504.D (-1926) (-)

7.98

80000

60000

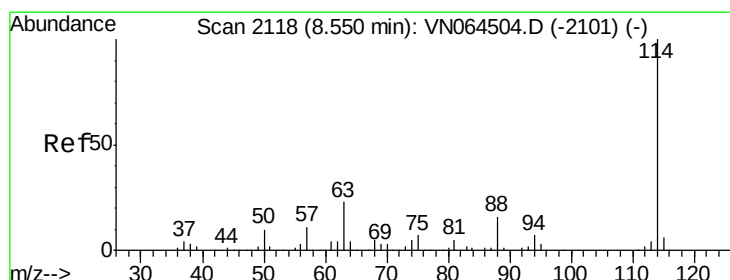
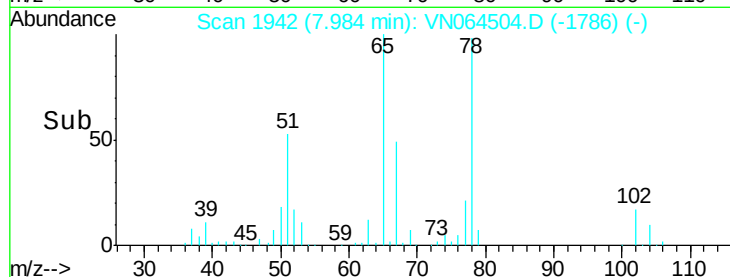
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

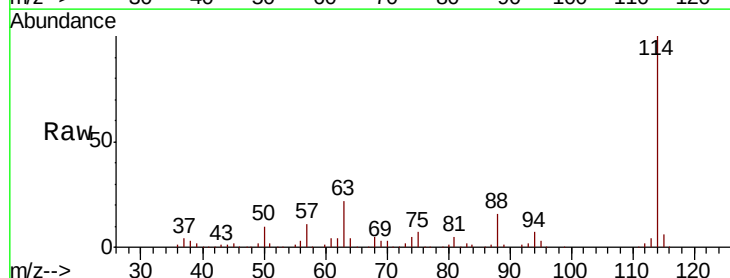
Tgt Ion: 114 Resp: 337422

Ion Ratio Lower Upper

114 100

63 23.1 18.5 27.7

88 16.3 13.0 19.6



Abundance Ion 114.00 (113.70 to 114.70): VN064504.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064504.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN064504.D (-2101) (-)

8.55

200000

150000

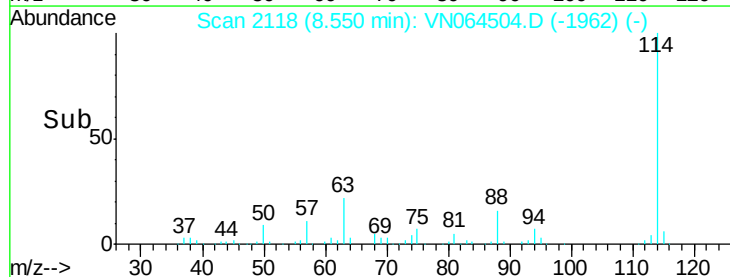
100000

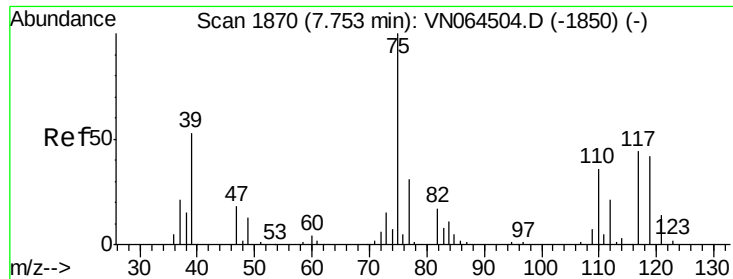
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

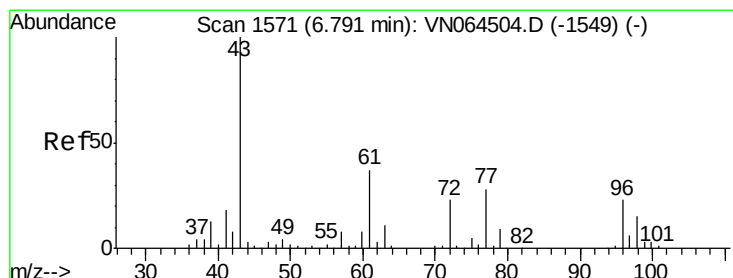
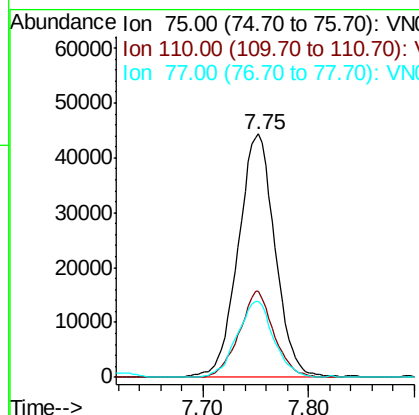
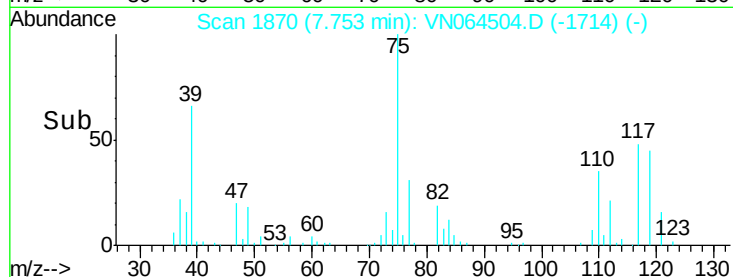
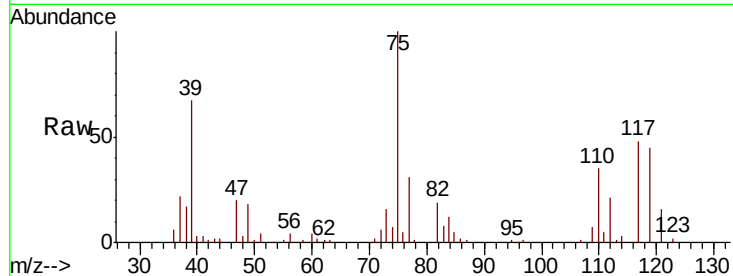




#29
 1,1-Dichloropropene
 Concen: 19.496 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

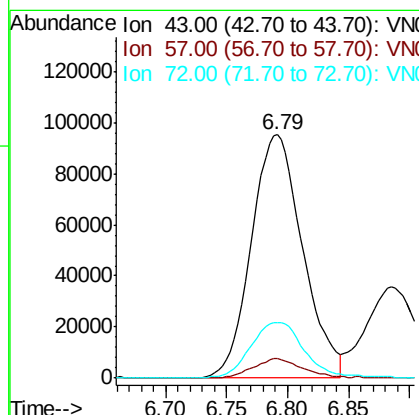
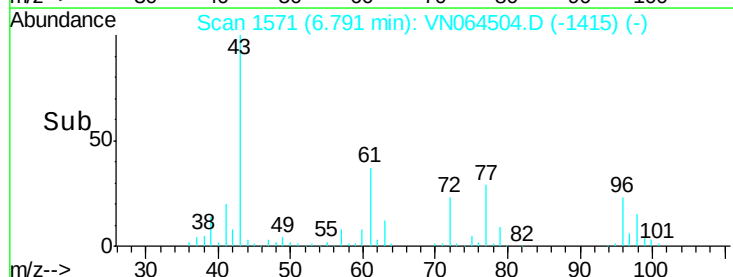
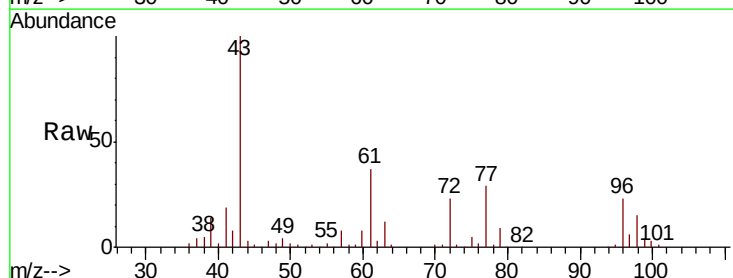
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

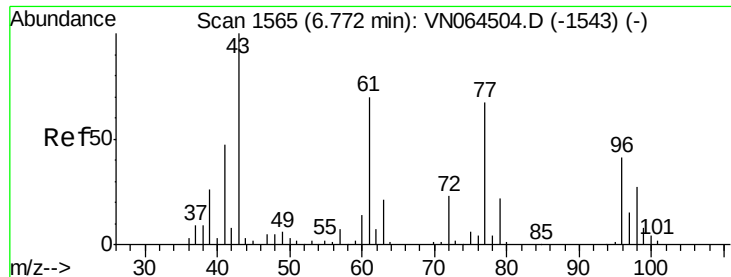
Tot Ion: 75 Resp: 107564
 Ion Ratio Lower Upper
 75 100
 110 33.2 0.0 66.4
 77 31.0 0.0 62.0



#30
 2-Butanone
 Concen: 109.564 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion: 43 Resp: 276521
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.2 9.4
 72 12.4 9.9 14.9

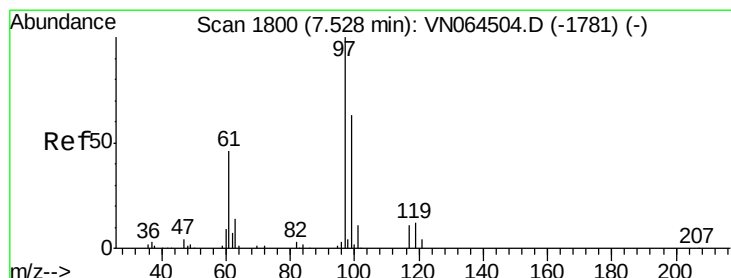
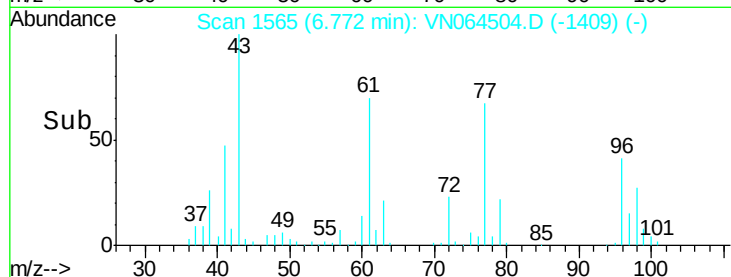
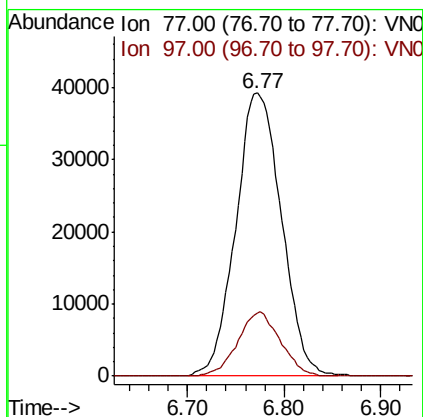
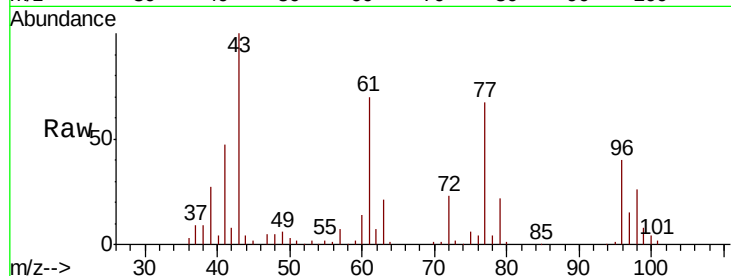




#31
 2,2-Dichloropropane
 Concen: 19.210 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

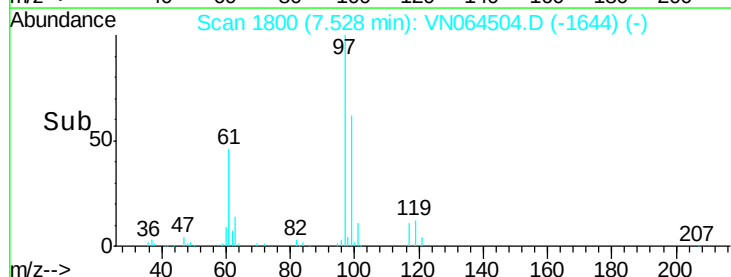
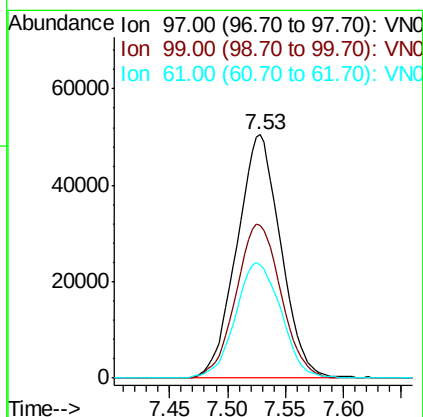
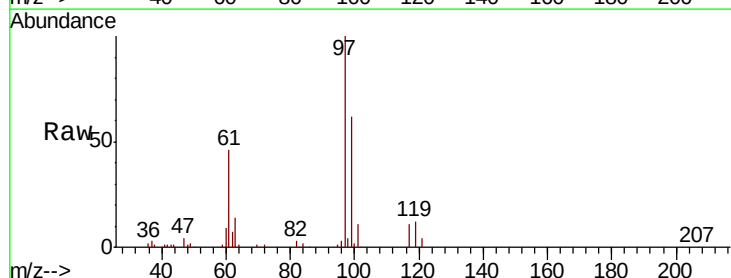
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

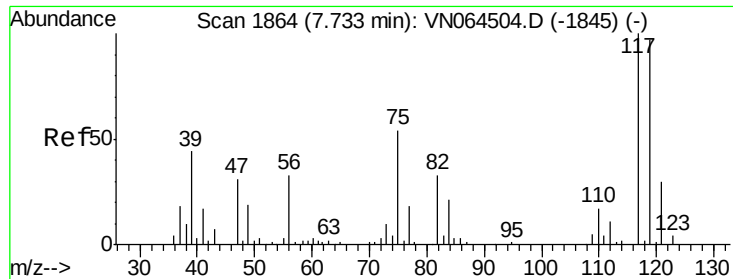
Tot Ion: 77 Resp: 128956
 Ion Ratio Lower Upper
 77 100
 97 21.1 16.9 25.3



#32
 1,1,1-Trichloroethane
 Concen: 18.694 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion: 97 Resp: 132673
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.8 77.8
 61 49.2 39.4 59.0

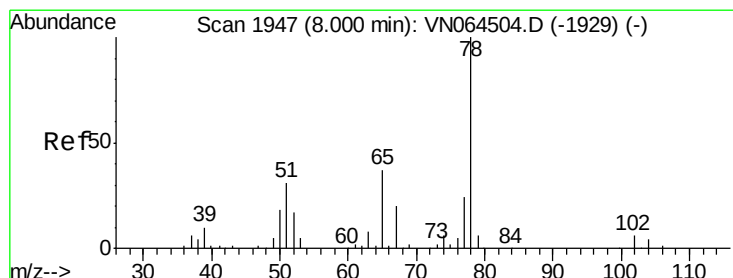
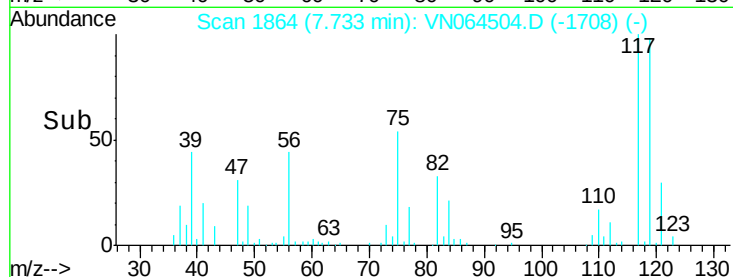
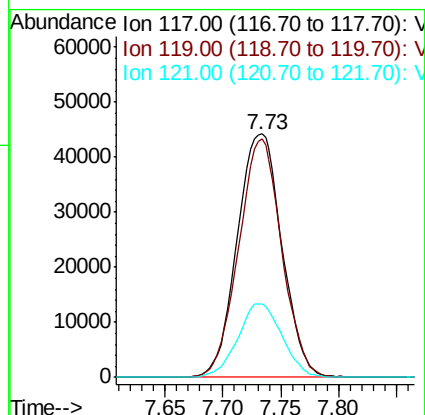
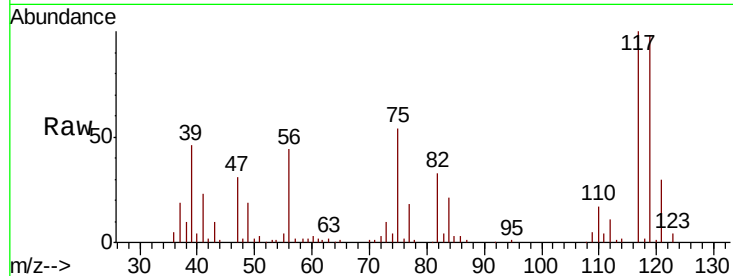




#33
Carbon Tetrachloride
Concen: 18.513 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

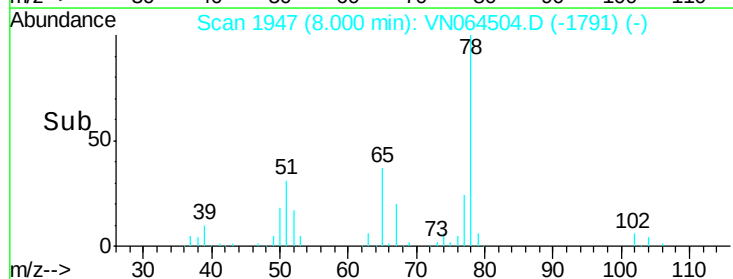
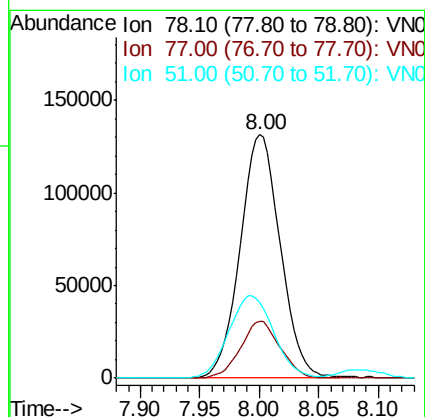
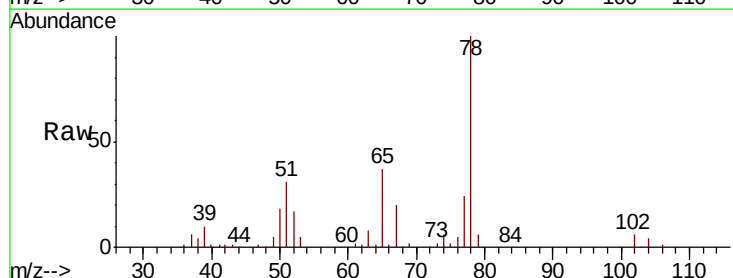
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

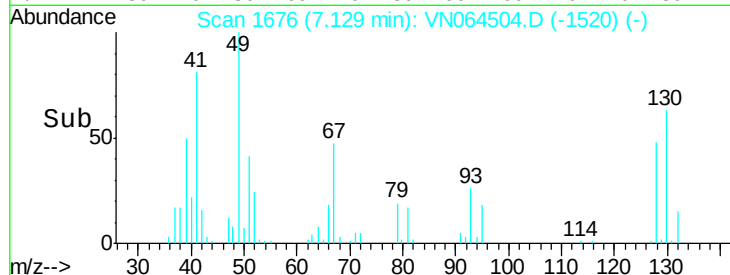
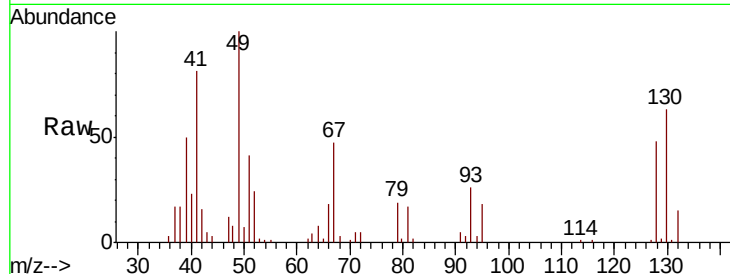
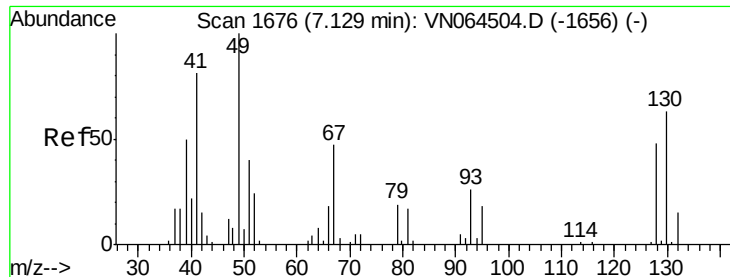
Tot Ion:117 Resp: 118225
Ion Ratio Lower Upper
117 100
119 97.4 77.9 116.9
121 30.0 24.0 36.0



#34
Benzene
Concen: 19.743 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 78 Resp: 307771
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3
51 30.7 24.6 36.8

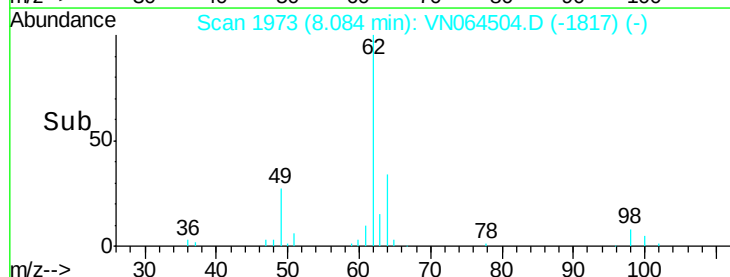
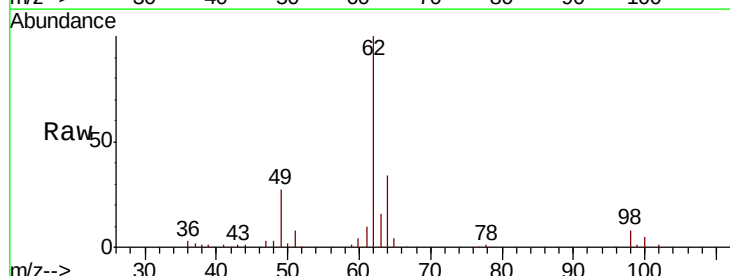
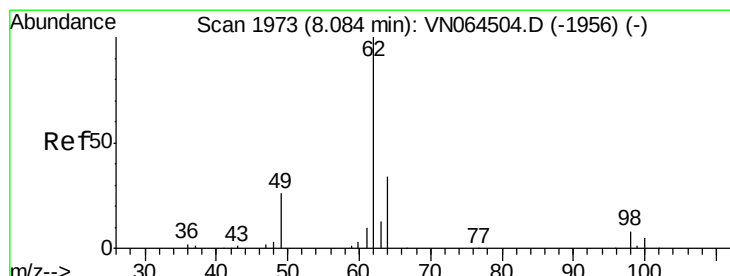
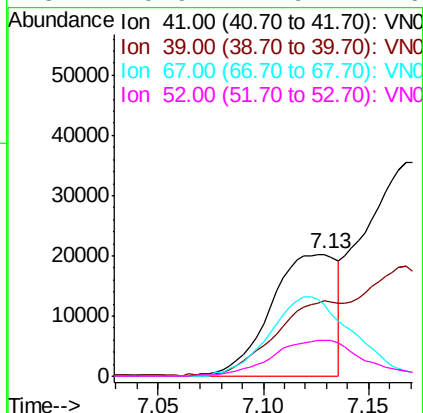




#35
Methacrylonitrile
Concen: 18.053 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

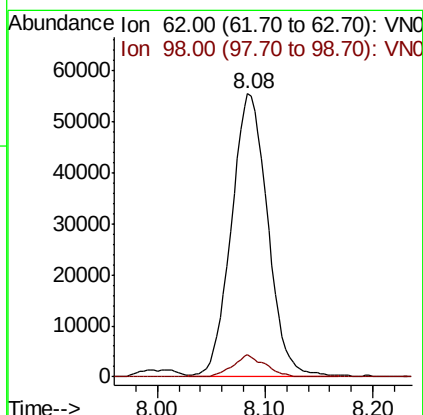
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

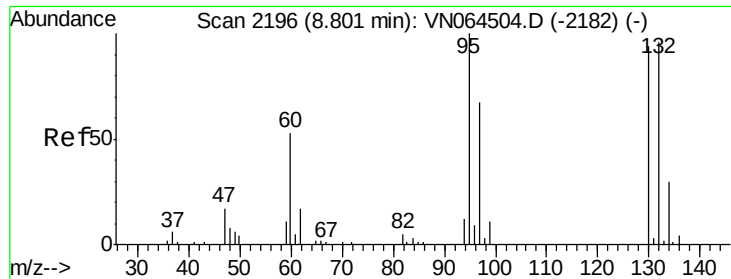
Tot Ion:	41	Resp:	44390
Ion	Ratio	Lower	Upper
41	100		
39	60.1	30.0	90.1
67	58.4	29.2	87.6
52	29.9	14.9	44.9



#36
1,2-Dichloroethane
Concen: 20.267 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion:	62	Resp:	130326
Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.5	8.3





#37

Trichloroethene

Concen: 17.763 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

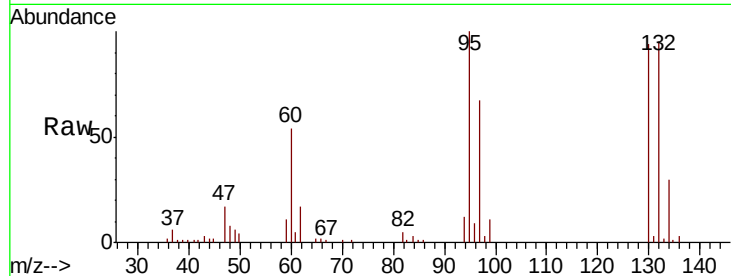
VSTDICCC020

Tot Ion:130 Resp: 76375

Ion Ratio Lower Upper

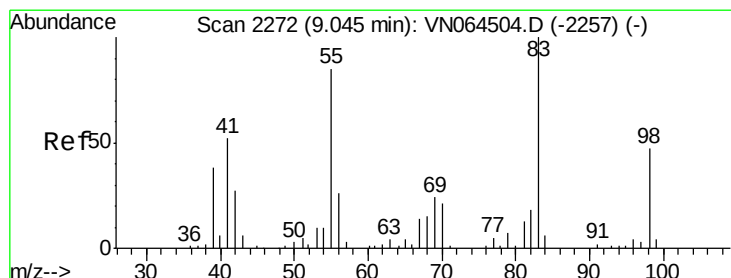
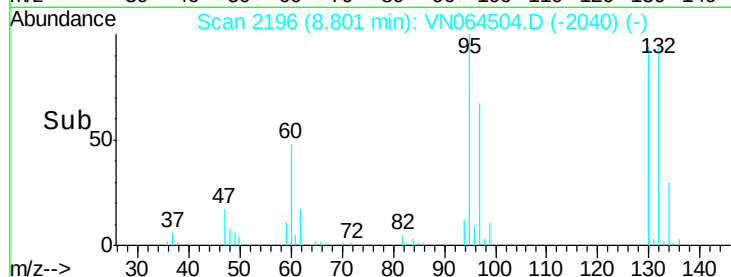
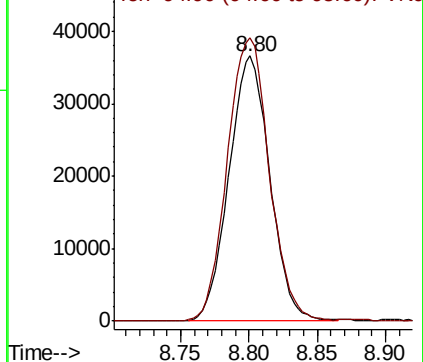
130 100

95 106.4 85.1 127.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.855 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

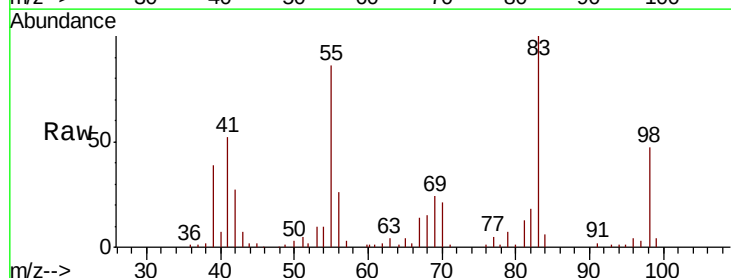
Tgt Ion: 83 Resp: 93511

Ion Ratio Lower Upper

83 100

55 84.1 42.0 126.1

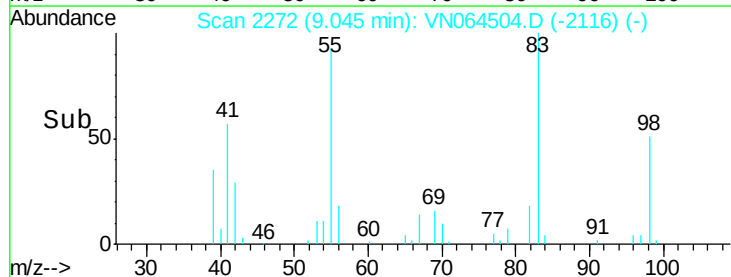
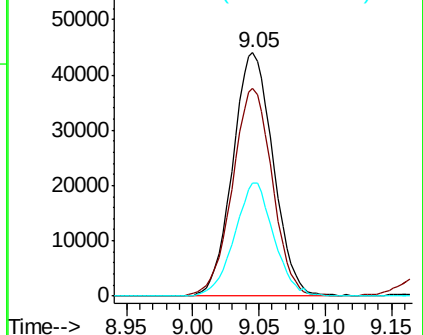
98 45.0 22.5 67.5

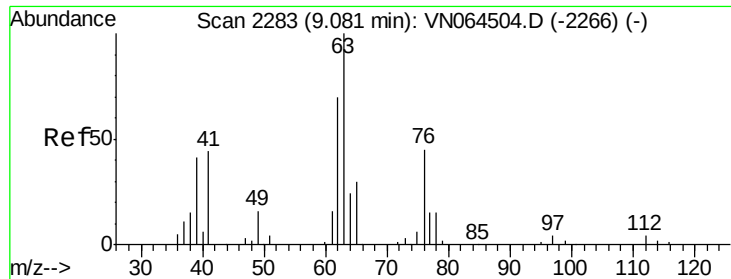


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

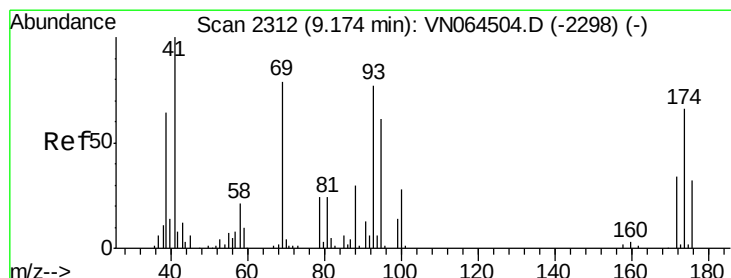
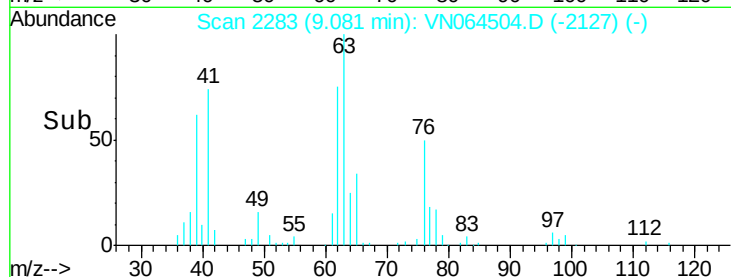
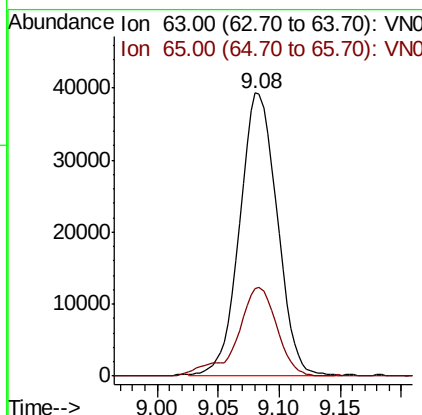
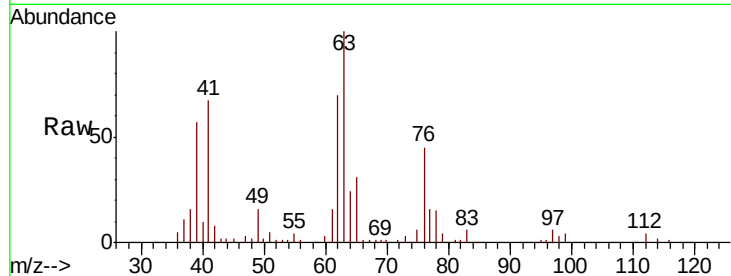




#39
 1,2-Dichloropropane
 Concen: 20.678 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

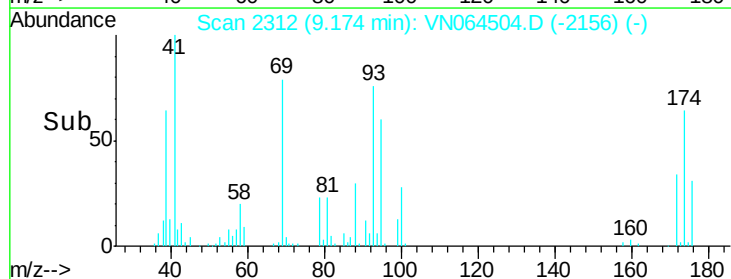
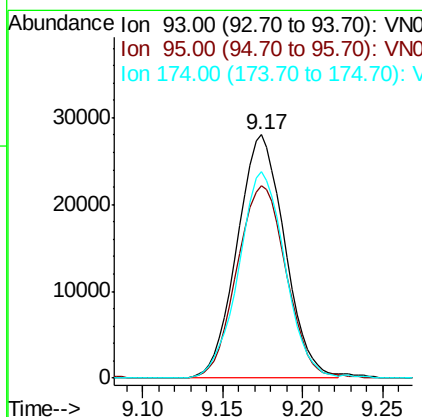
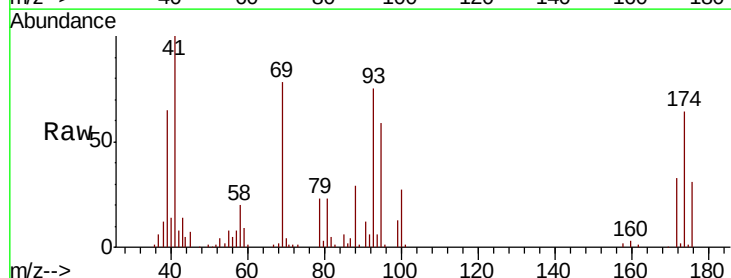
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

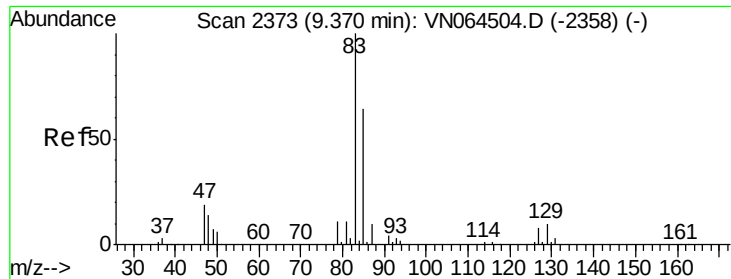
Tot Ion: 63 Resp: 83785
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#40
 Dibromomethane
 Concen: 19.687 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion: 93 Resp: 56915
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 164.6
 174 82.8 0.0 165.6





#41

Bromodichloromethane

Concen: 20.089 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

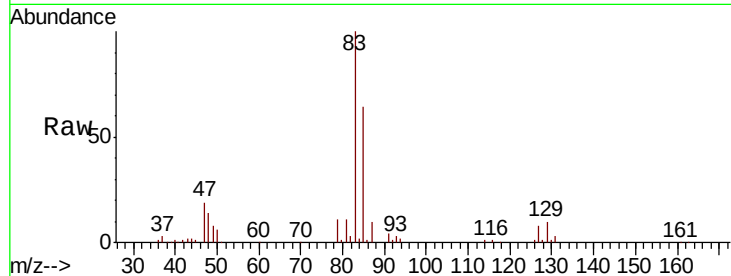
Tot Ion: 83 Resp: 123121

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.4

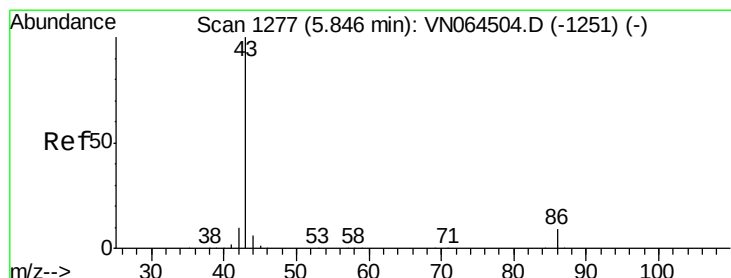
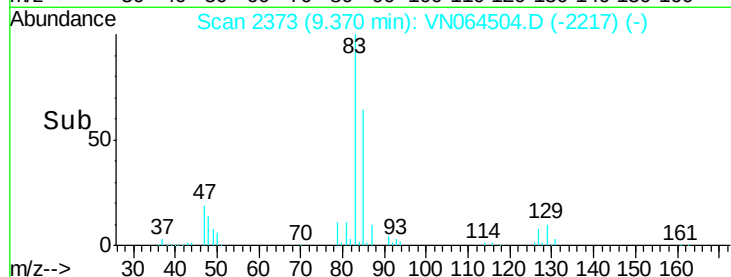
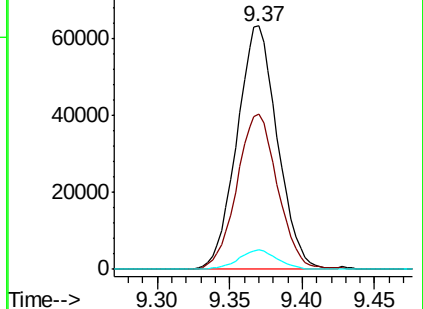
127 7.8 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 97.868 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064504.D

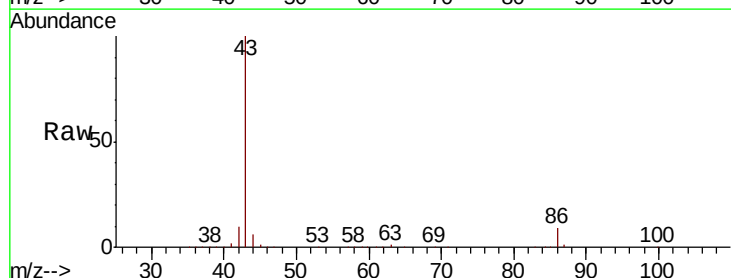
Acq: 9 Nov 2020 11:48

Tgt Ion: 43 Resp: 1033820

Ion Ratio Lower Upper

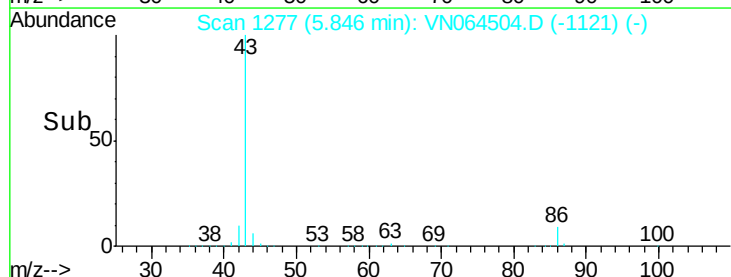
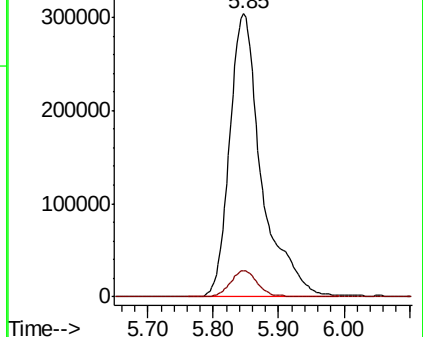
43 100

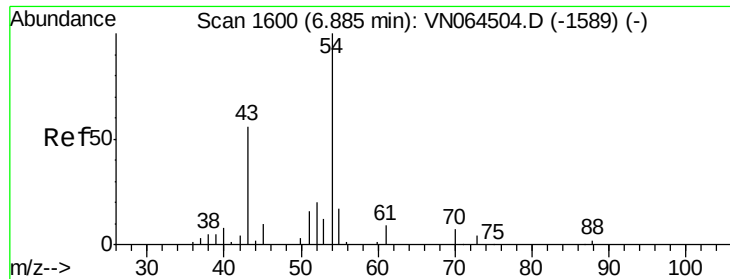
86 7.9 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.789 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

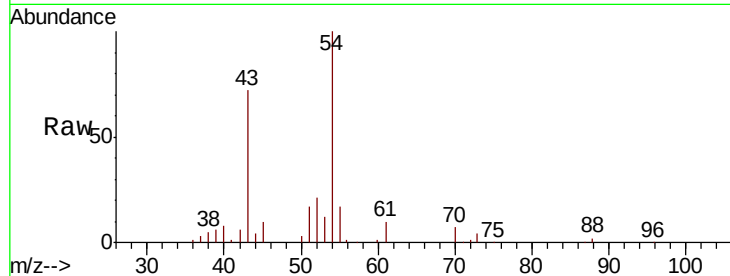
VSTDICCC020

Tot Ion: 43 Resp: 92103

Ion Ratio Lower Upper

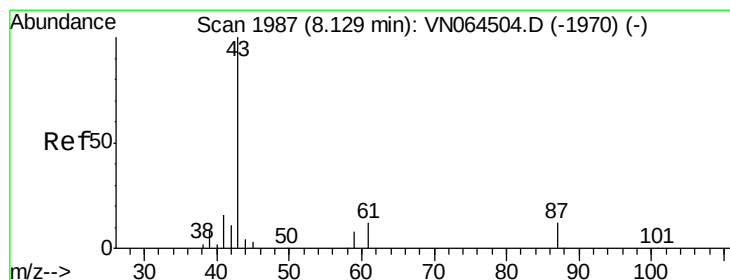
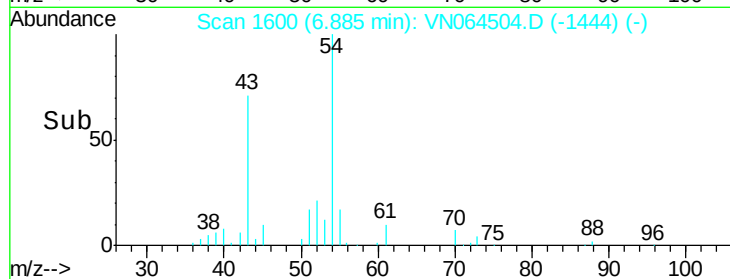
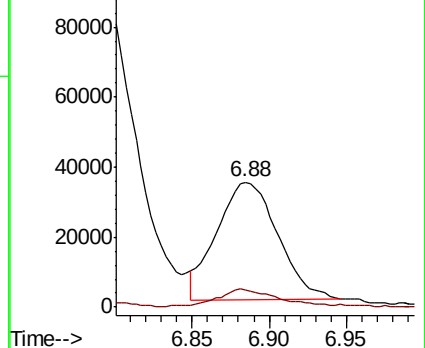
43 100

45 13.6 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.674 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064504.D

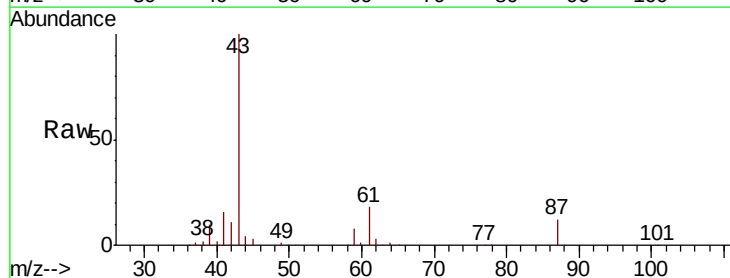
Acq: 9 Nov 2020 11:48

Tgt Ion: 43 Resp: 168654

Ion Ratio Lower Upper

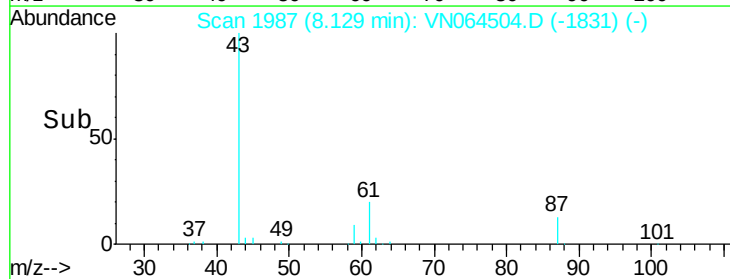
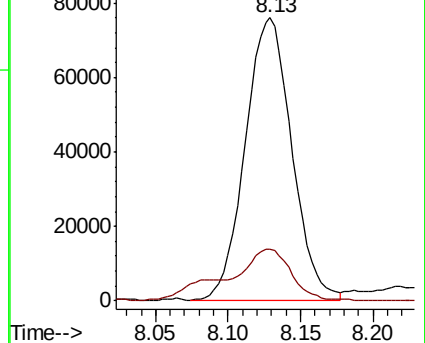
43 100

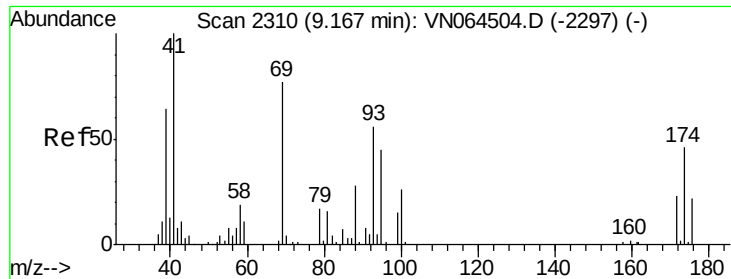
61 16.2 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

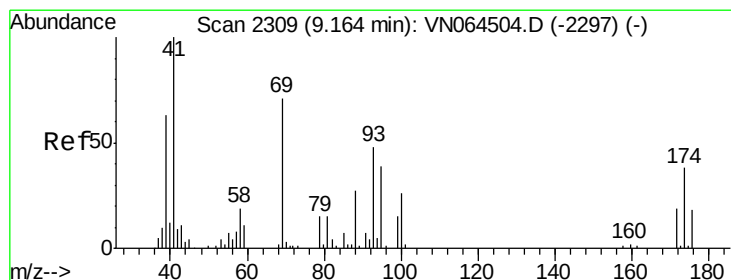
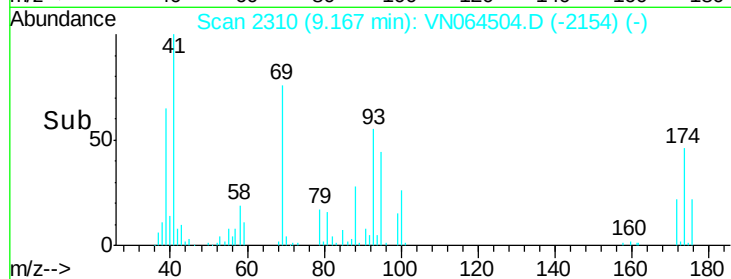
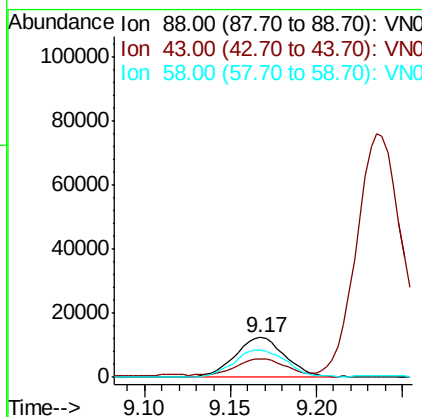
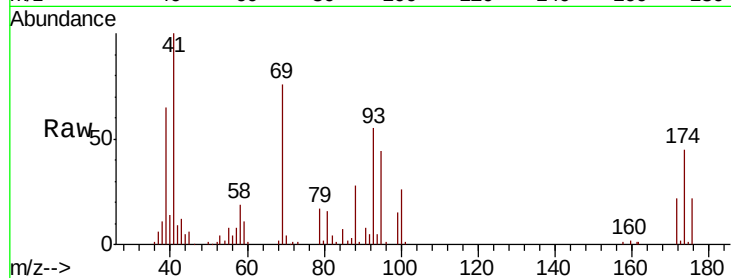




#45
 1,4-Dioxane
 Concen: 412.529 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

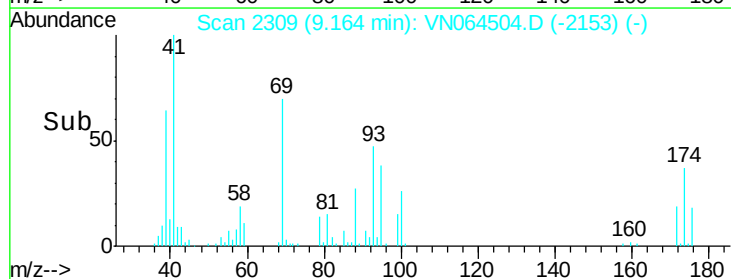
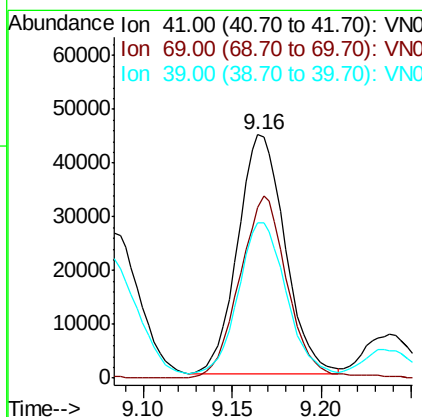
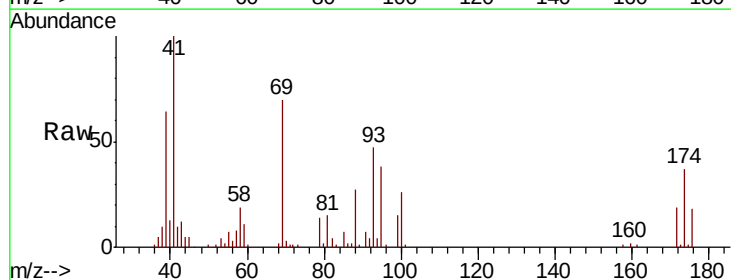
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

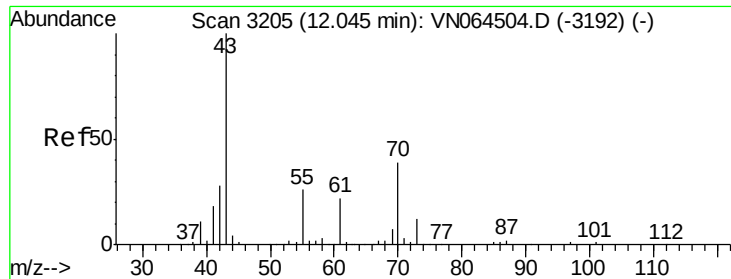
Tot Ion: 88 Resp: 25263
 Ion Ratio Lower Upper
 88 100
 43 38.3 30.6 46.0
 58 72.4 57.9 86.9



#46
 Methyl methacrylate
 Concen: 19.492 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion: 41 Resp: 82566
 Ion Ratio Lower Upper
 41 100
 69 70.8 35.4 106.2
 39 63.1 31.6 94.7





#47

n-amyl Acetate

Concen: 19.209 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

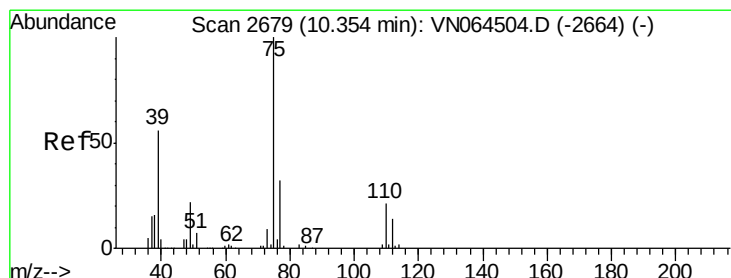
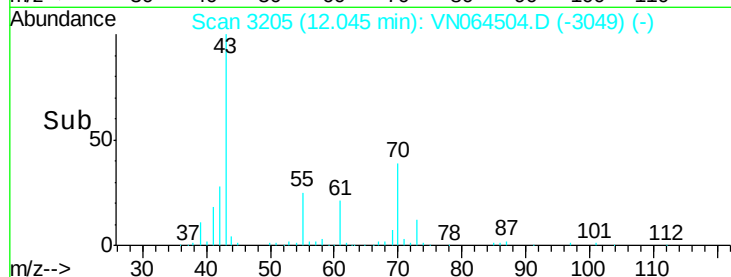
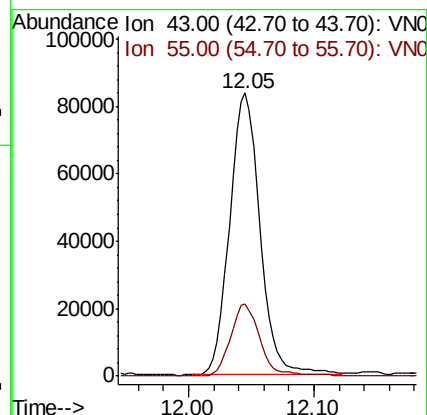
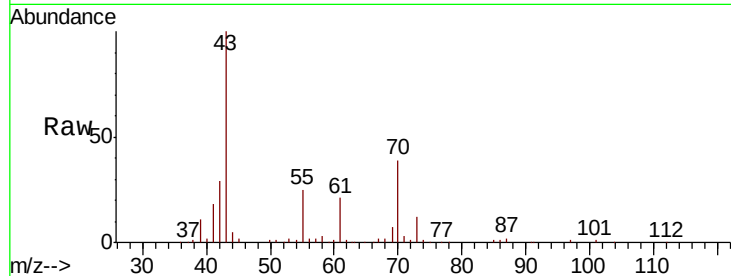
VSTDICCC020

Tot Ion: 43 Resp: 140382

Ion Ratio Lower Upper

43 100

55 24.0 19.2 28.8



#48

t-1,3-Dichloropropene

Concen: 18.578 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064504.D

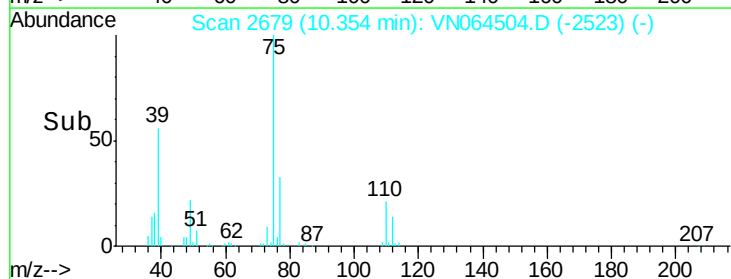
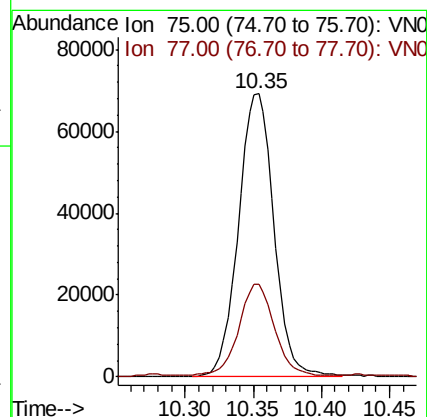
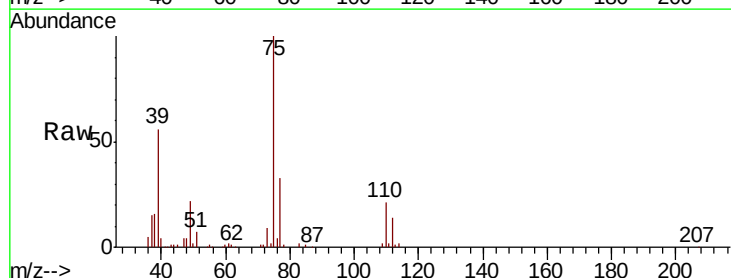
Acq: 9 Nov 2020 11:48

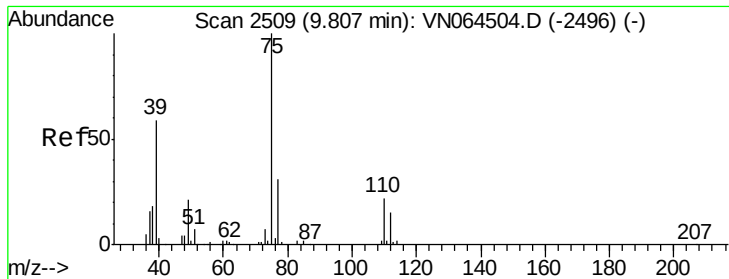
Tgt Ion: 75 Resp: 124916

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



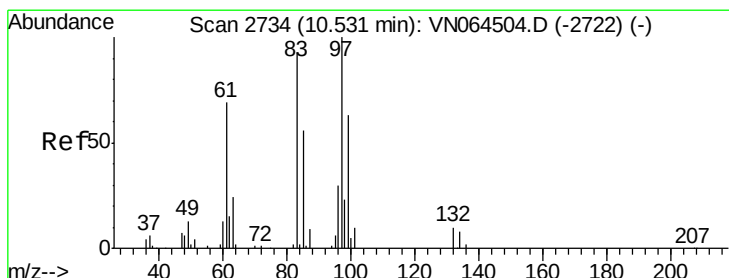
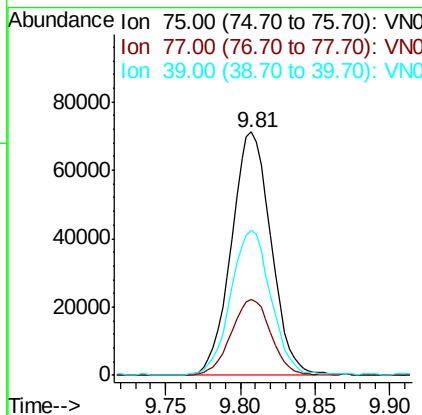
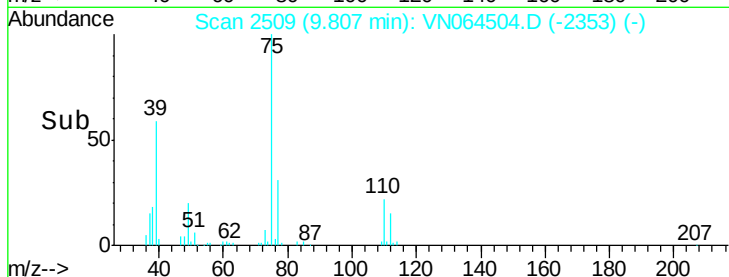
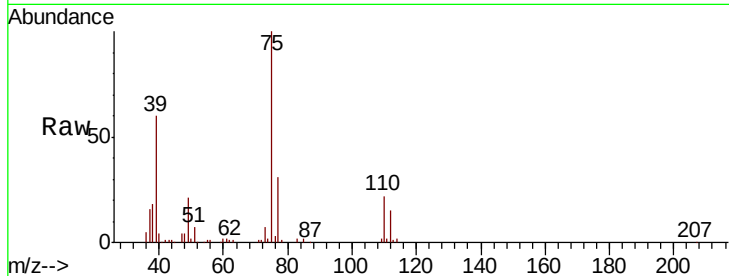


#49

cis-1,3-Dichloropropene
 Concen: 18.919 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

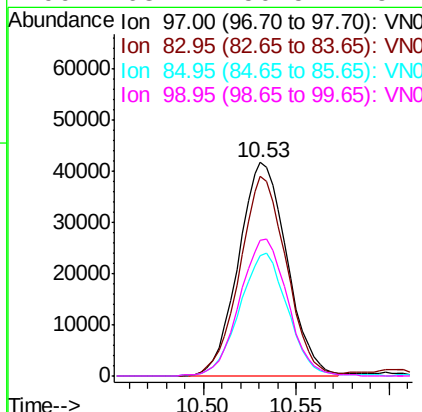
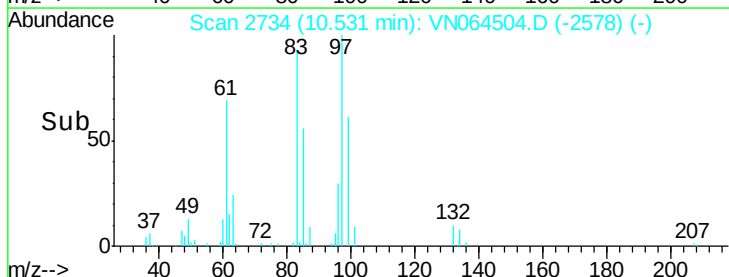
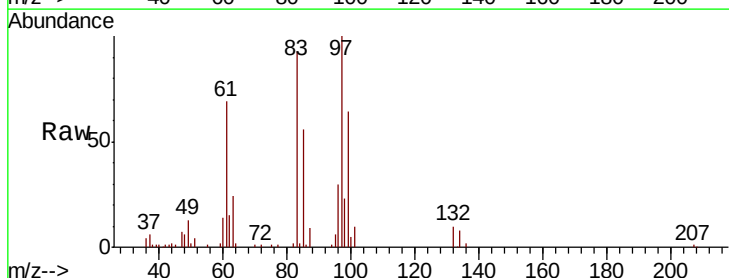
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	59.2	47.4	71.0

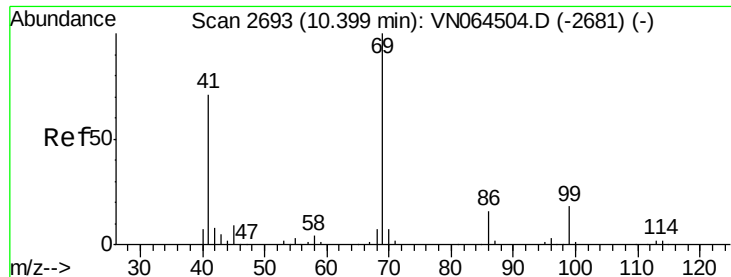


#50

1,1,2-Trichloroethane
 Concen: 19.486 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.8	74.2	111.4
85	56.0	44.8	67.2
99	63.1	50.5	75.7





#51

Ethyl methacrylate

Concen: 18.275 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

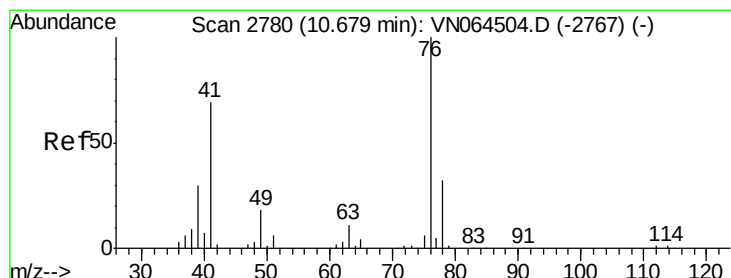
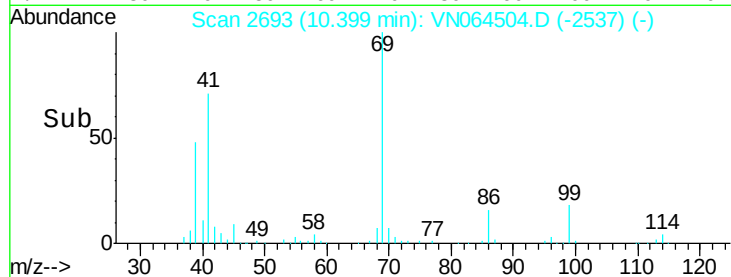
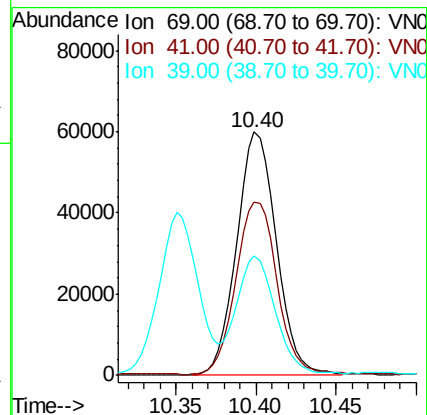
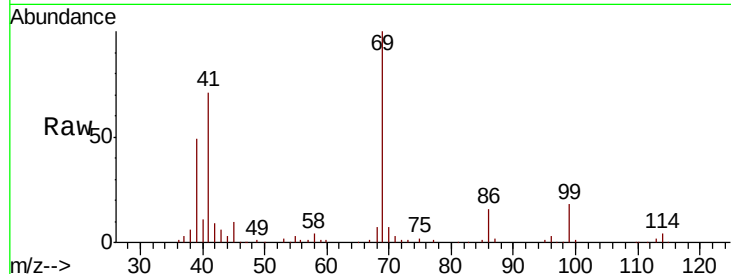
Tot Ion: 69 Resp: 101490

Ion Ratio Lower Upper

69 100

41 70.7 35.4 106.1

39 48.1 24.1 72.2



#52

1,3-Dichloropropane

Concen: 19.626 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064504.D

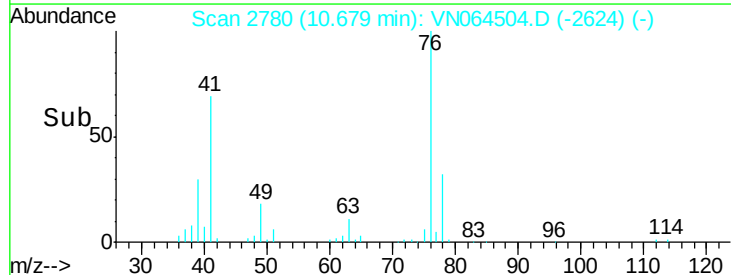
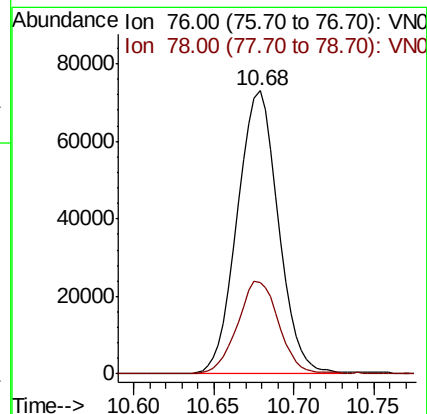
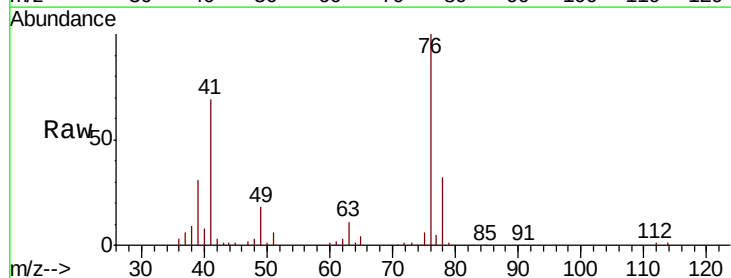
Acq: 9 Nov 2020 11:48

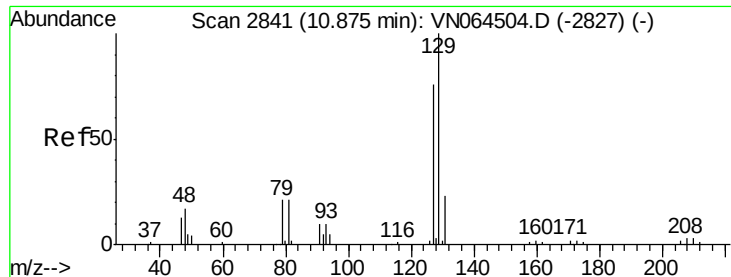
Tgt Ion: 76 Resp: 128062

Ion Ratio Lower Upper

76 100

78 32.6 0.0 65.2





#53

Dibromochloromethane

Concen: 18.195 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

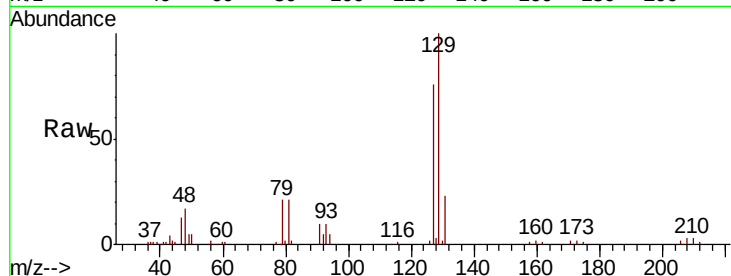
VSTDICCC020

Tot Ion:129 Resp: 86038

Ion Ratio Lower Upper

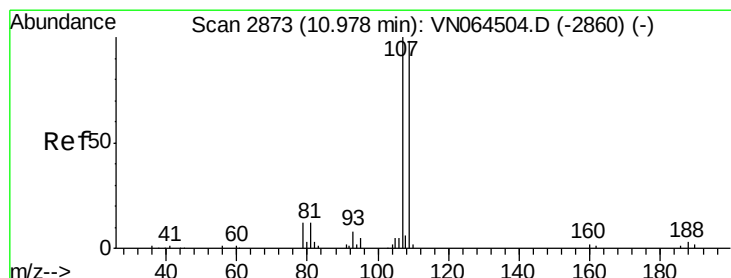
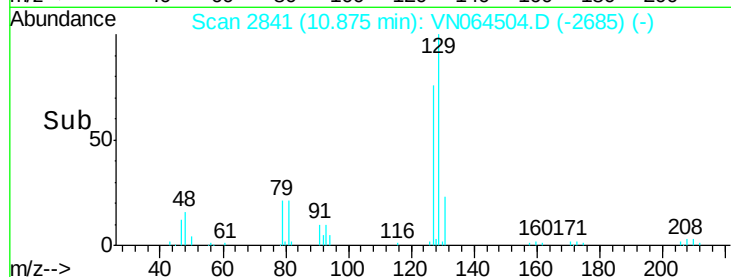
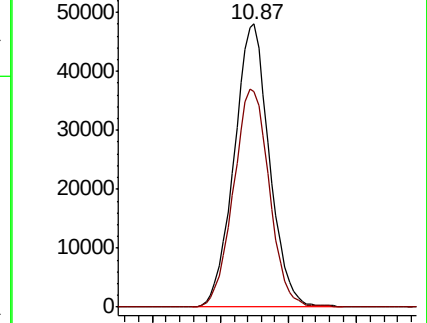
129 100

127 78.1 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.380 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064504.D

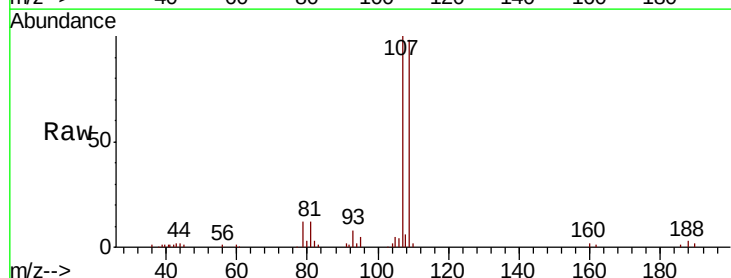
Acq: 9 Nov 2020 11:48

Tgt Ion:107 Resp: 75434

Ion Ratio Lower Upper

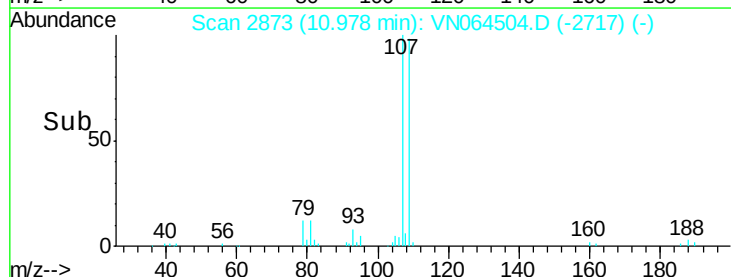
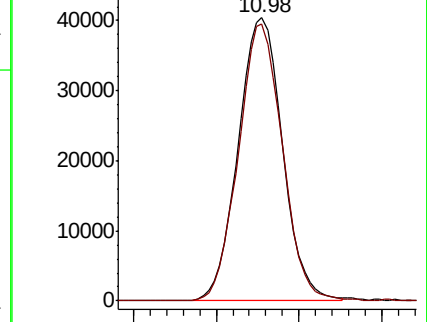
107 100

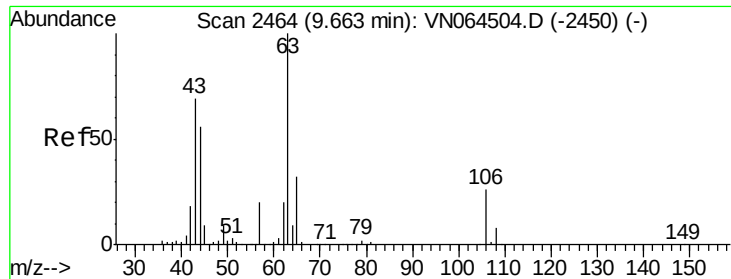
109 96.5 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

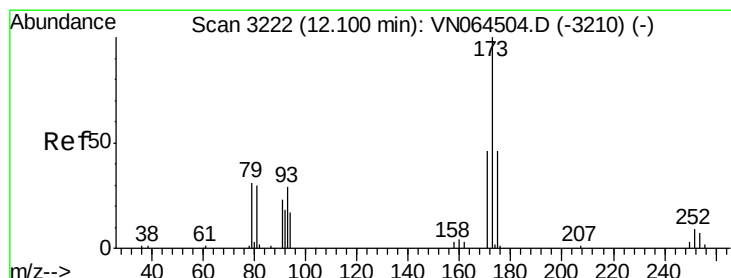
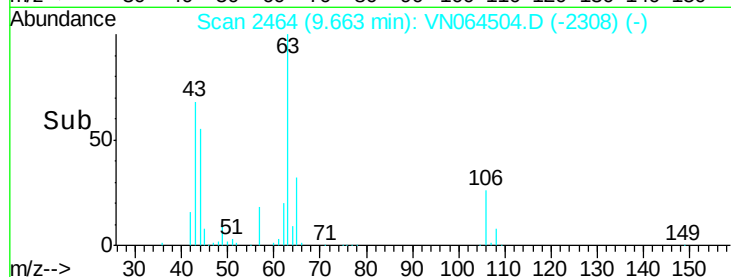
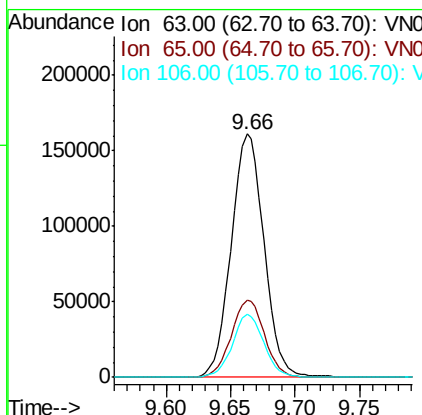
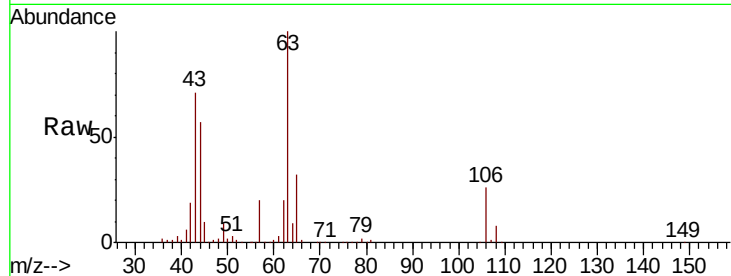




#55
2-Chloroethyl vinyl ether
Concen: 94.443 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

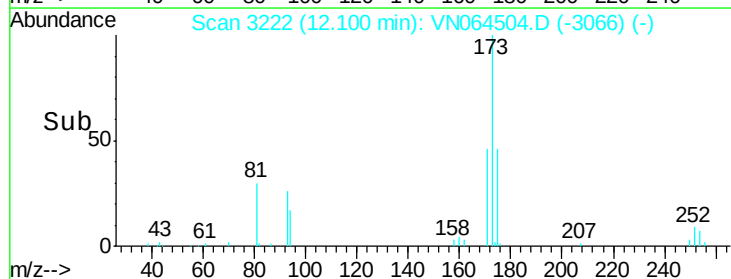
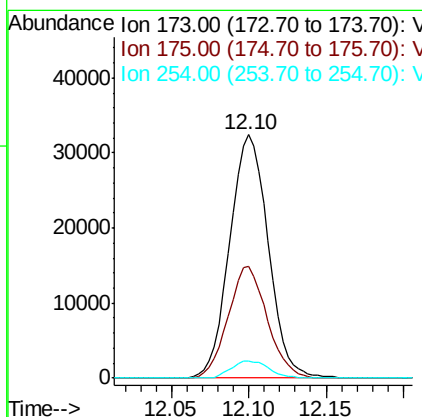
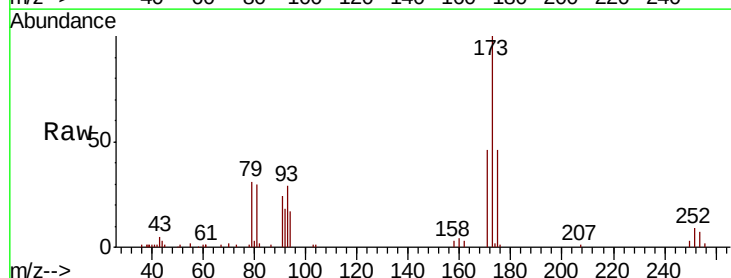
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

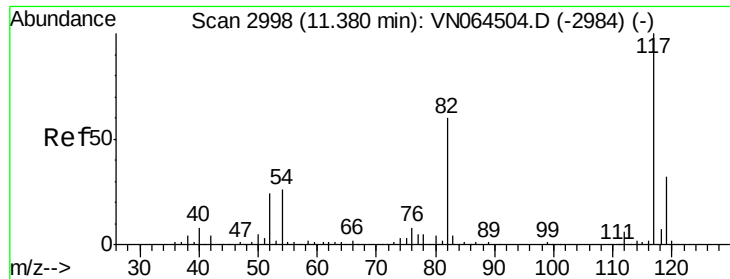
Tot Ion: 63 Resp: 285715
Ion Ratio Lower Upper
63 100
65 32.1 25.7 38.5
106 24.9 19.9 29.9



#56
Bromoform
Concen: 16.916 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 173 Resp: 56135
Ion Ratio Lower Upper
173 100
175 46.4 37.1 55.7
254 6.8 5.4 8.2

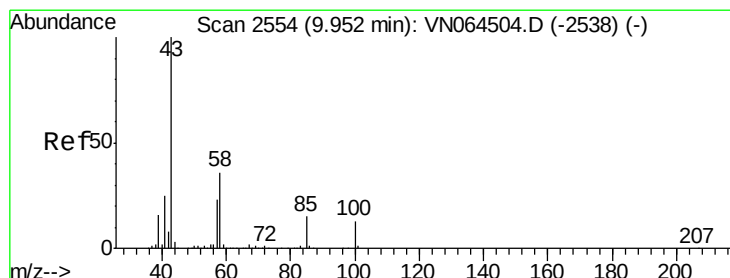
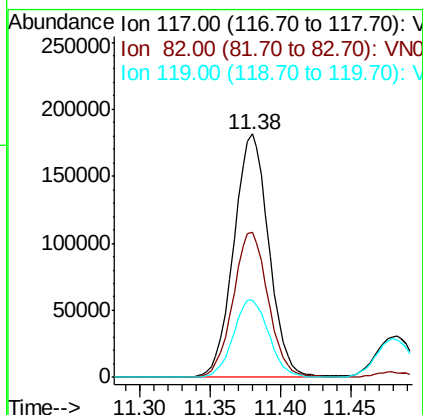
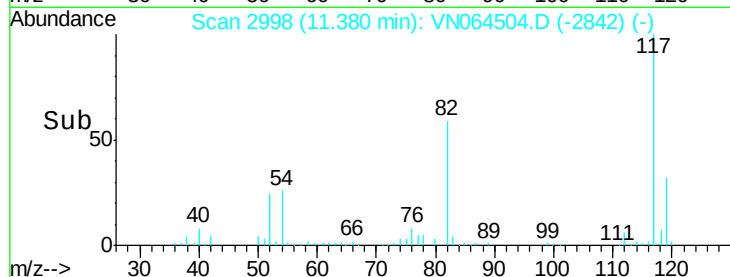
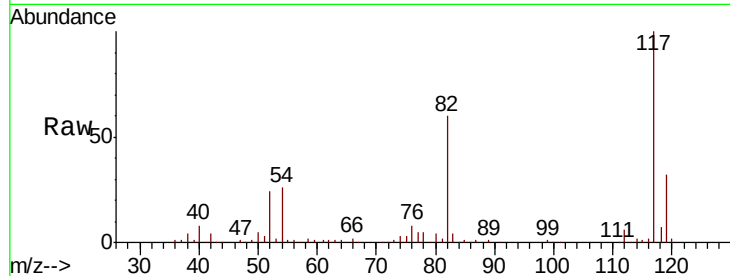




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

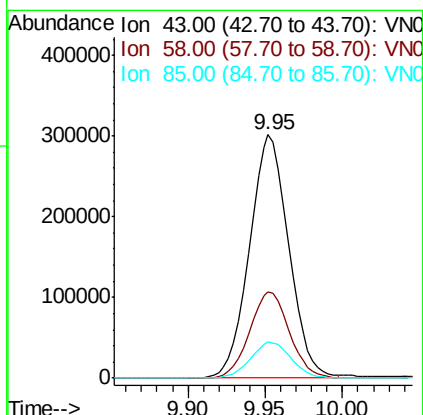
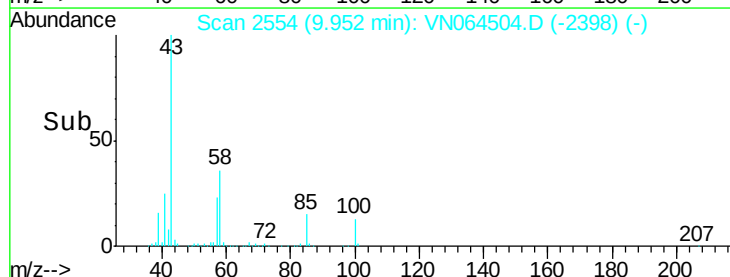
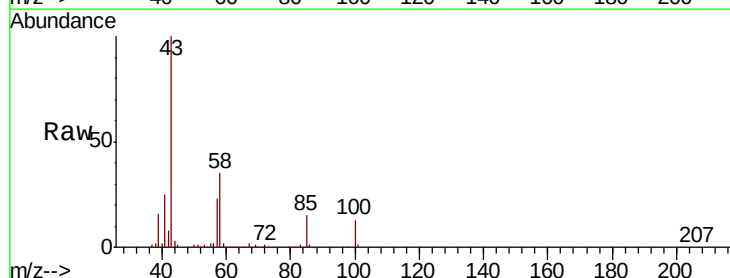
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

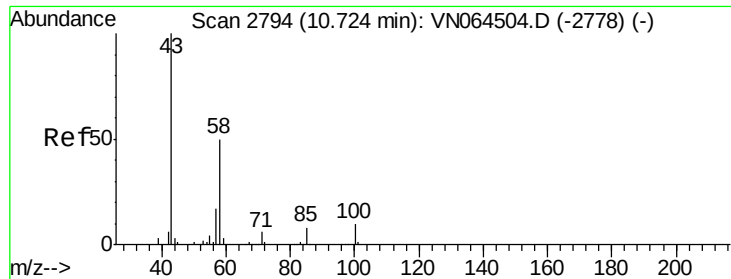
Tot Ion:117 Resp: 316586
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 32.1 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 103.234 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 43 Resp: 529671
Ion Ratio Lower Upper
43 100
58 36.0 28.8 43.2
85 15.4 12.3 18.5

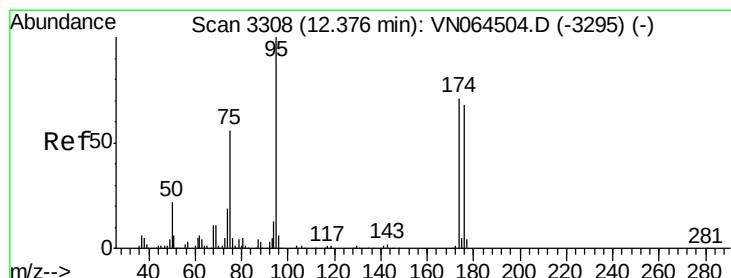
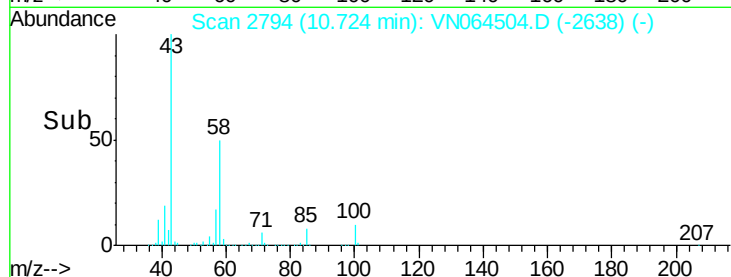
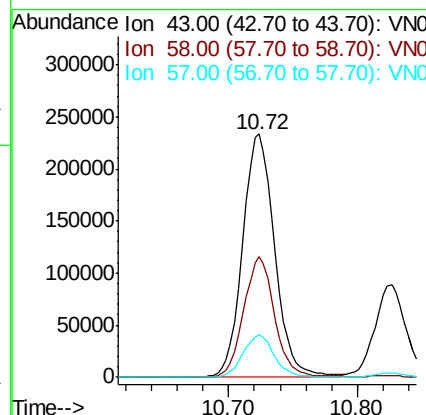
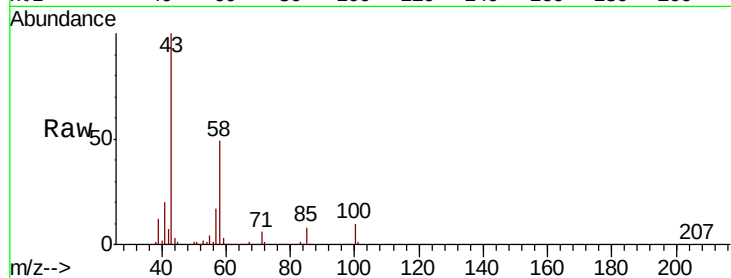




#59
2-Hexanone
Concen: 105.465 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

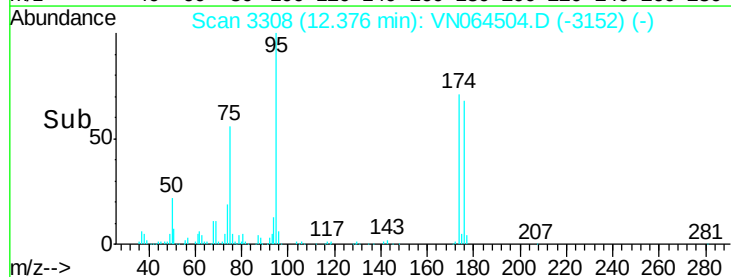
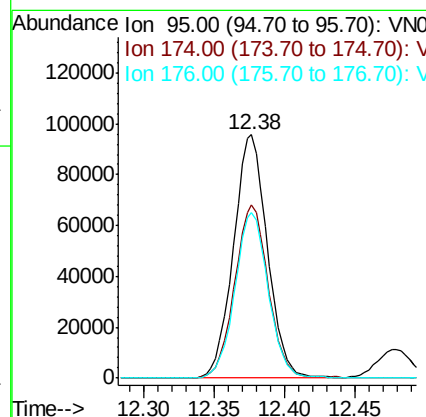
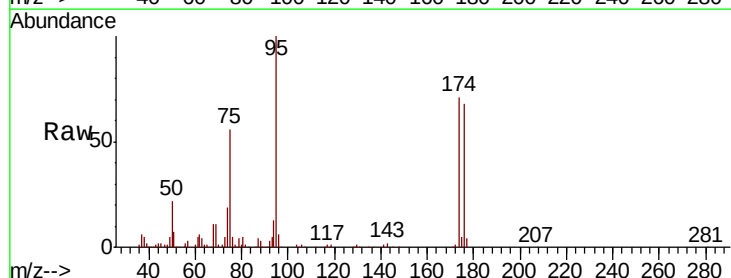
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

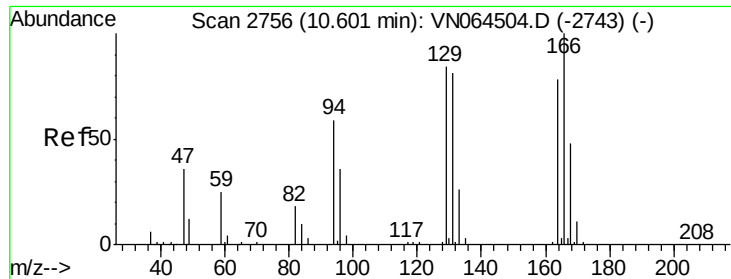
Tot Ion: 43 Resp: 401560
Ion Ratio Lower Upper
43 100
58 47.8 38.2 57.4
57 17.3 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 29.894 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion: 95 Resp: 161008
Ion Ratio Lower Upper
95 100
174 70.5 56.4 84.6
176 66.6 53.3 79.9





#61

Tetrachloroethene

Concen: 17.342 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 73176

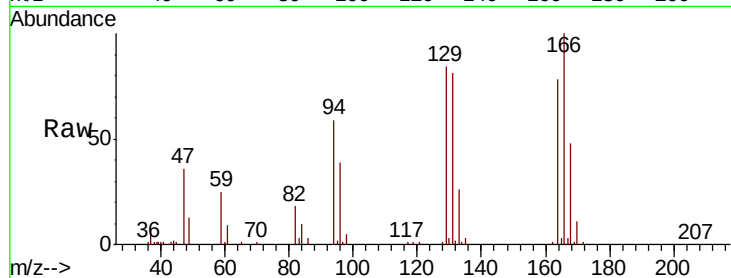
Ion Ratio Lower Upper

164 100

166 129.0 103.2 154.8

129 108.0 86.4 129.6

131 105.0 84.0 126.0

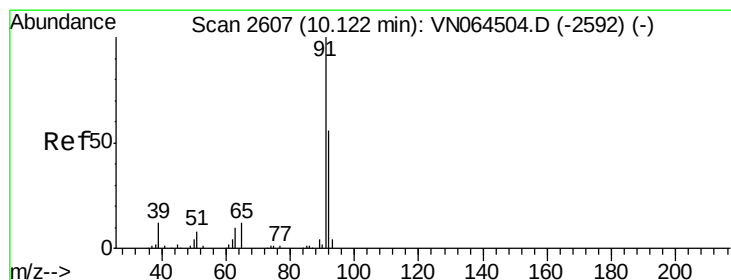
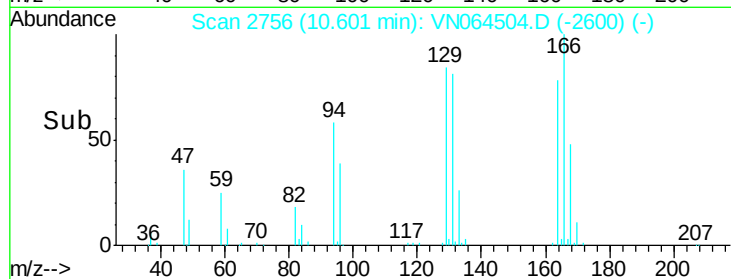
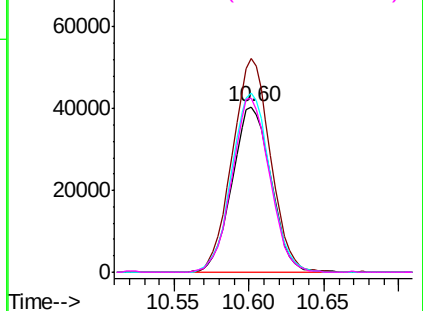


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.942 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN064504.D

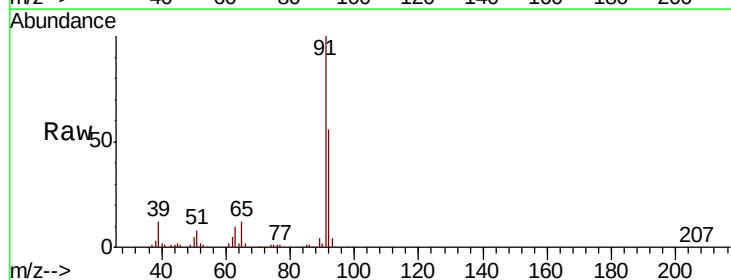
Acq: 9 Nov 2020 11:48

Tgt Ion: 91 Resp: 338120

Ion Ratio Lower Upper

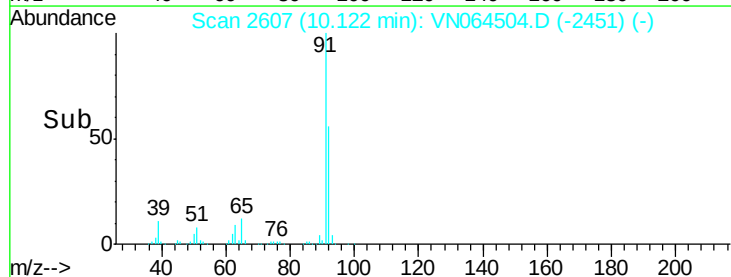
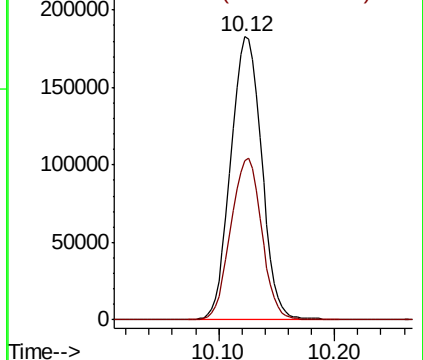
91 100

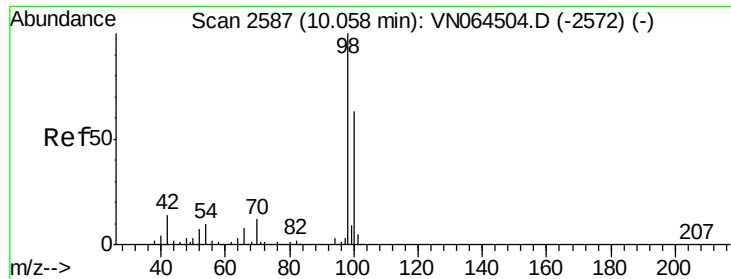
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.571 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampled :

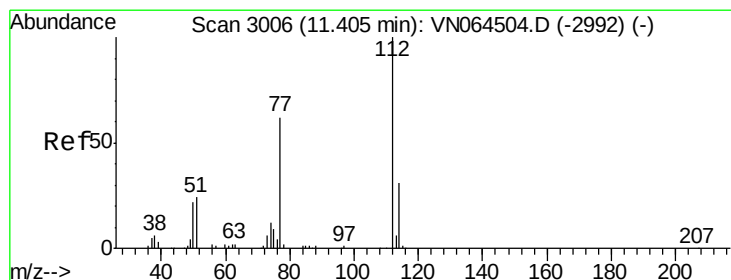
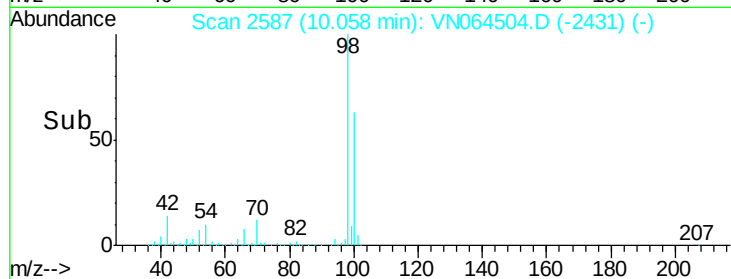
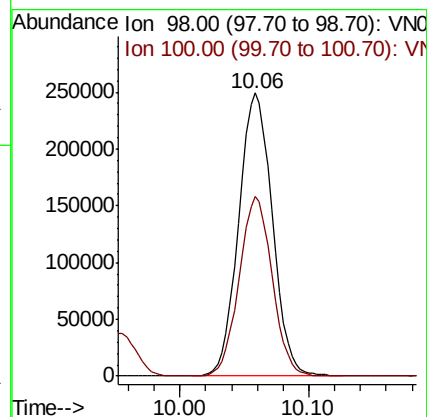
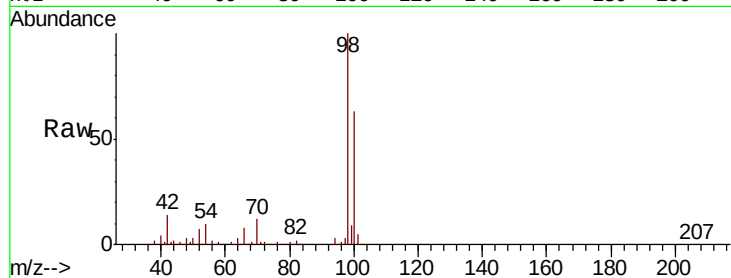
VSTDICCC020

Tot Ion: 98 Resp: 452779

Ion Ratio Lower Upper

98 100

100 61.8 49.4 74.2



#64

Chlorobenzene

Concen: 18.000 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064504.D

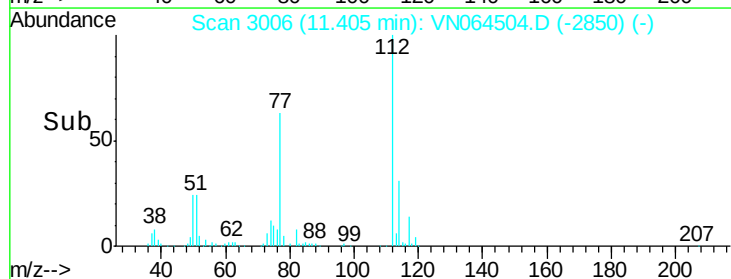
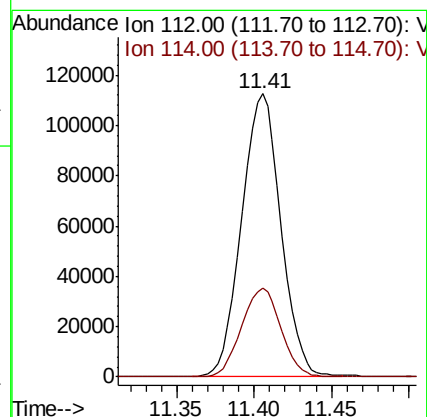
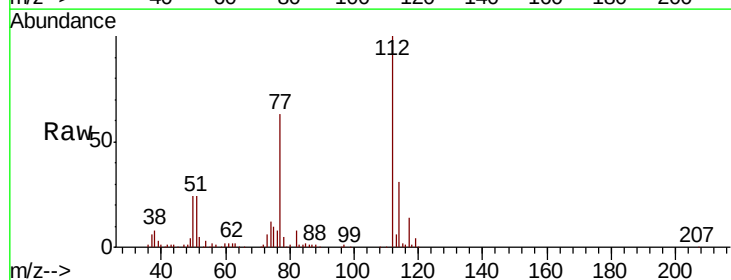
Acq: 9 Nov 2020 11:48

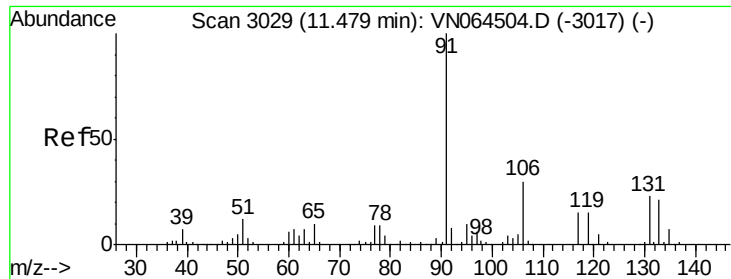
Tgt Ion: 112 Resp: 199008

Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.6

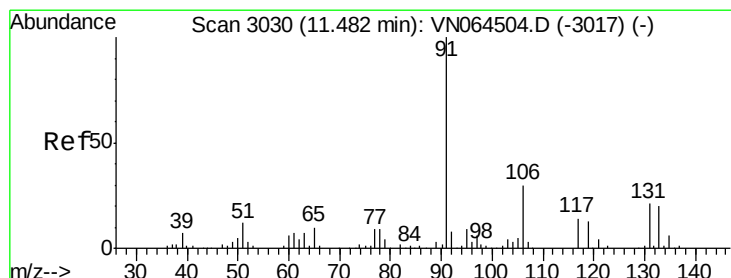
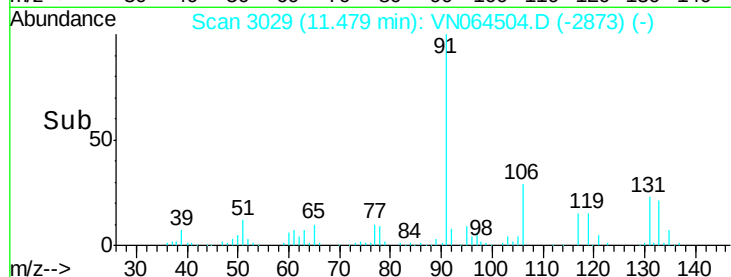
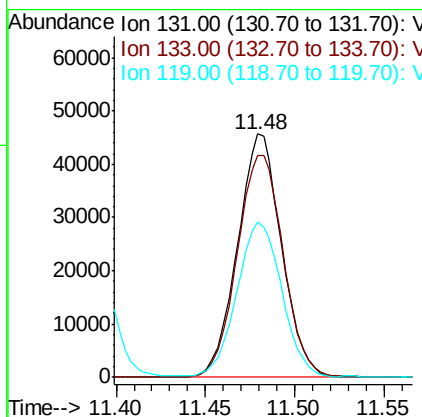
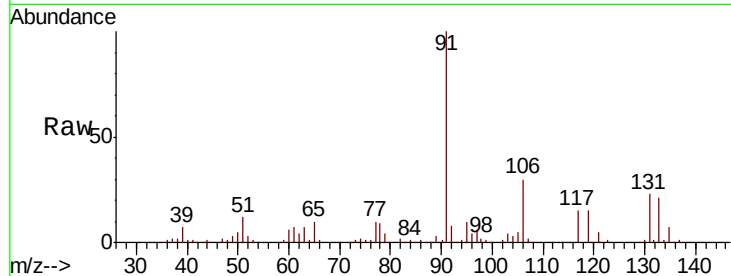




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.328 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

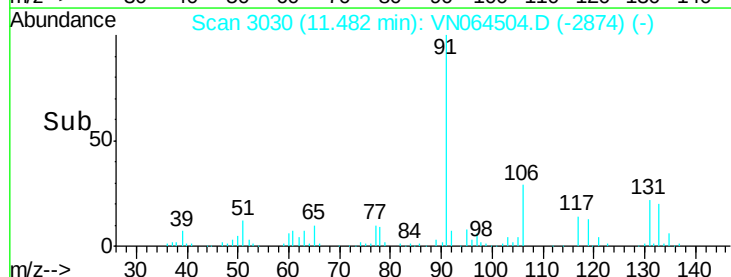
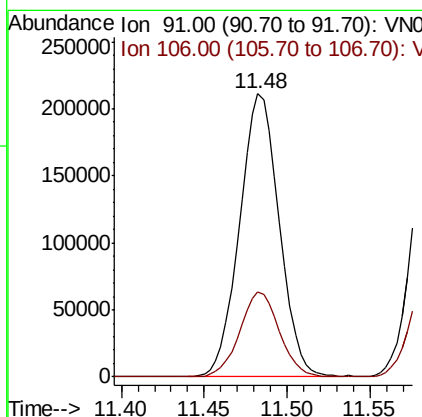
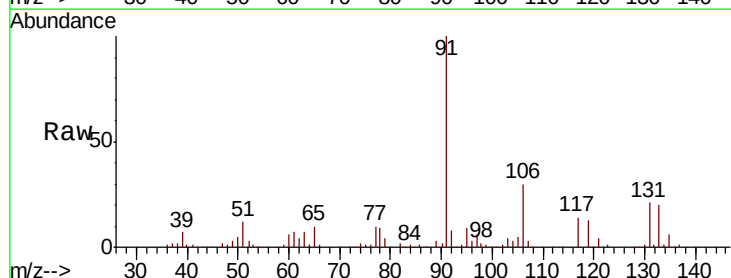
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

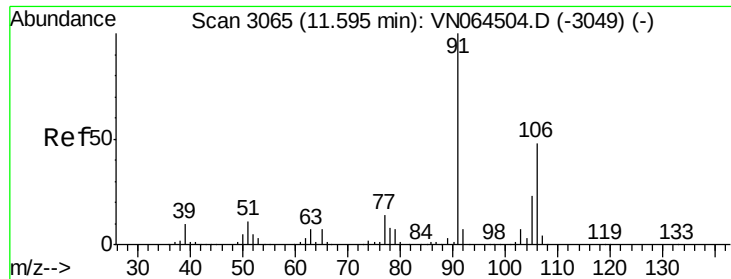
Tot Ion:131 Resp: 78559
 Ion Ratio Lower Upper
 131 100
 133 95.6 0.0 191.2
 119 65.8 0.0 131.6



#66
 Ethyl Benzene
 Concen: 17.980 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion: 91 Resp: 350364
 Ion Ratio Lower Upper
 91 100
 106 29.9 23.9 35.9

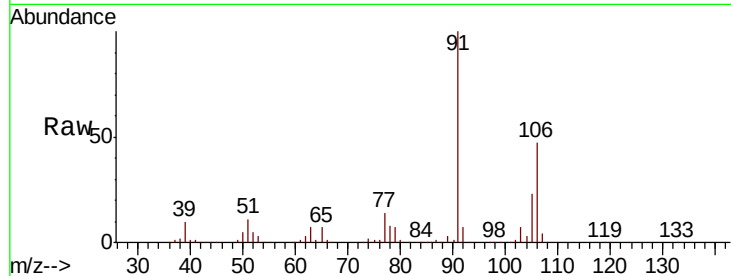




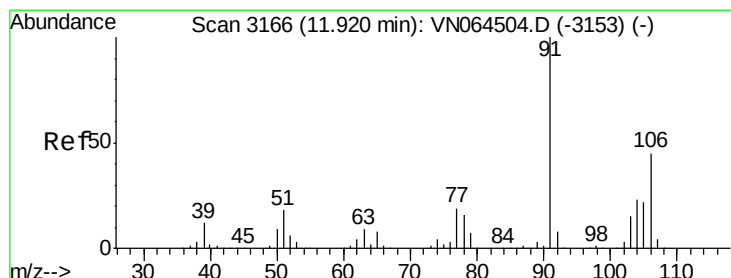
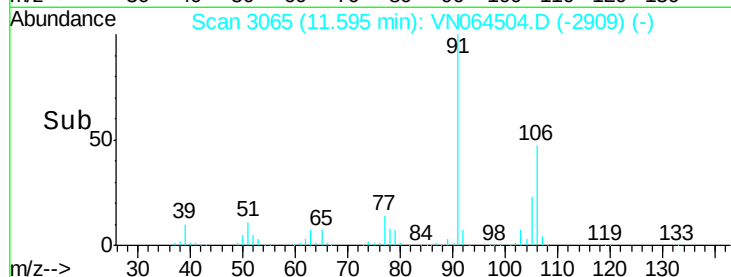
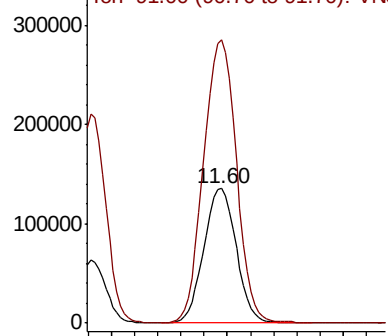
#67
m/p-Xylenes
Concen: 35.944 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:106 Resp: 263641
Ion Ratio Lower Upper
106 100
91 211.0 168.8 253.2

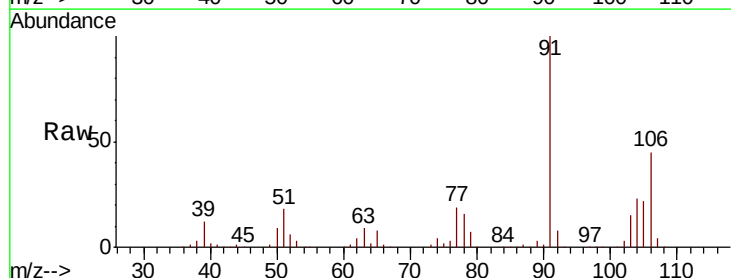


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

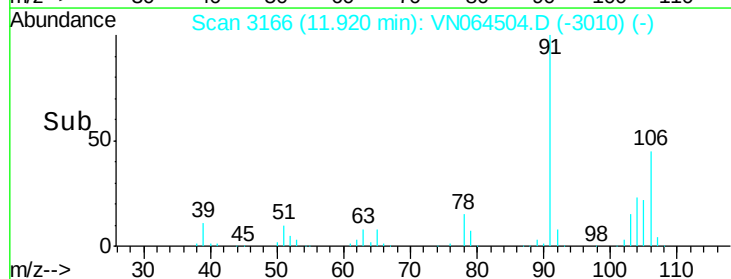
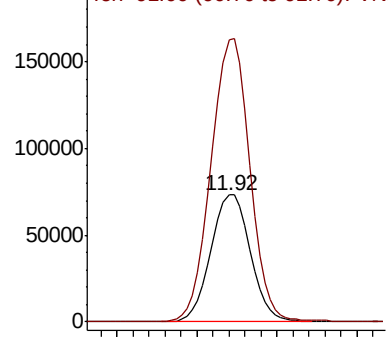


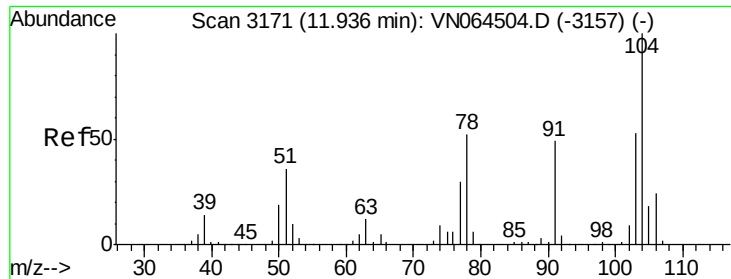
#68
o-Xylene
Concen: 17.559 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion:106 Resp: 123506
Ion Ratio Lower Upper
106 100
91 219.5 109.7 329.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

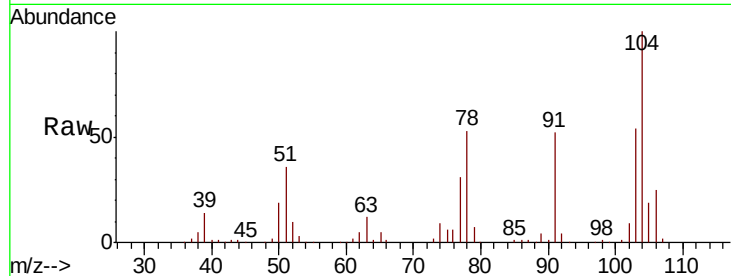




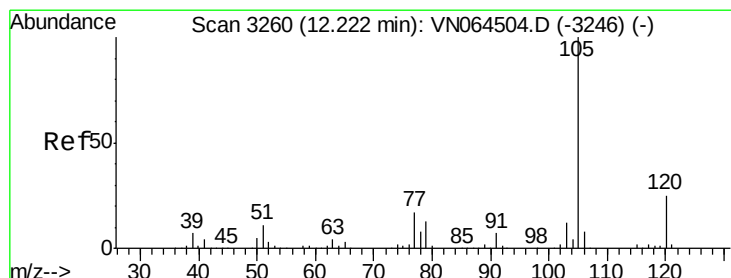
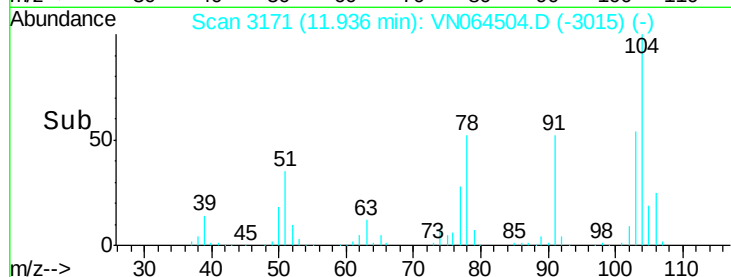
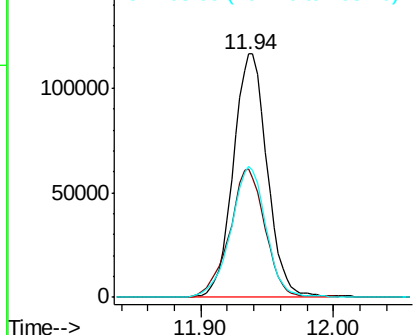
#69
Stvrene
Concen: 17.515 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:104 Resp: 206795
Ion Ratio Lower Upper
104 100
78 55.5 44.4 66.6
103 55.8 44.6 67.0

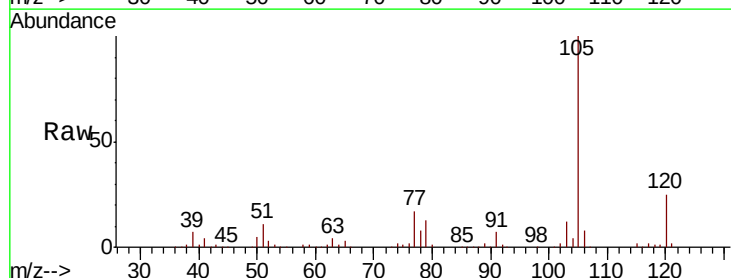


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

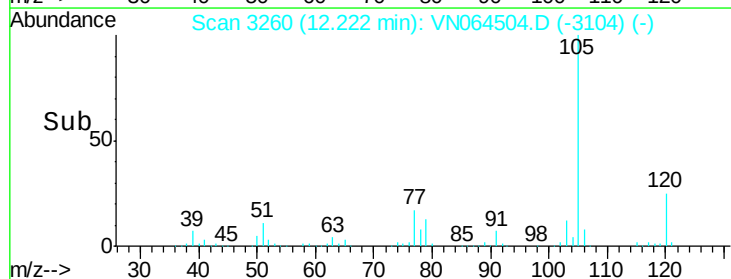
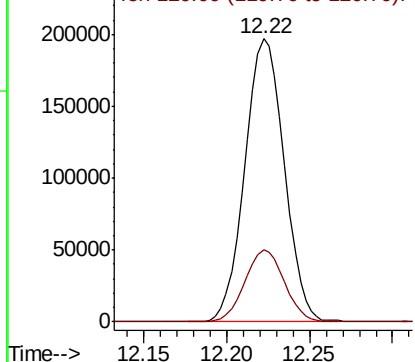


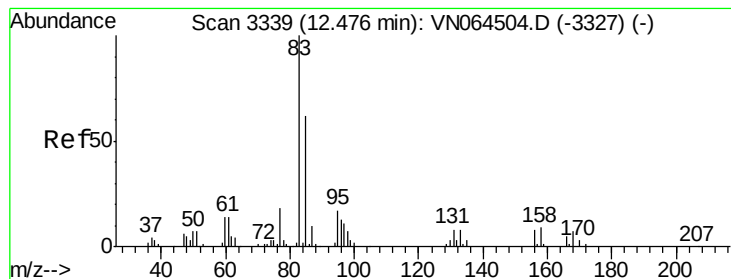
#70
Isopropylbenzene
Concen: 17.820 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion:105 Resp: 324914
Ion Ratio Lower Upper
105 100
120 25.6 17.9 33.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 20.230 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

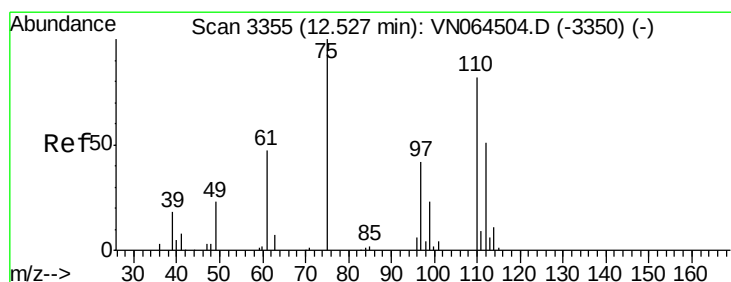
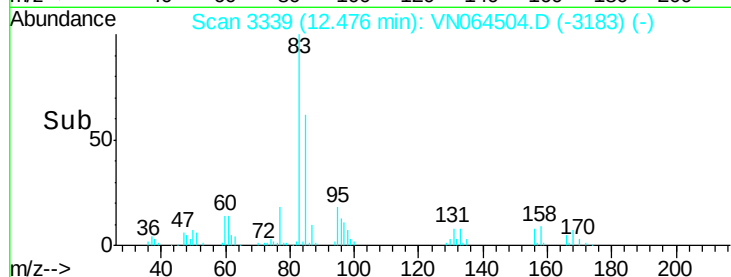
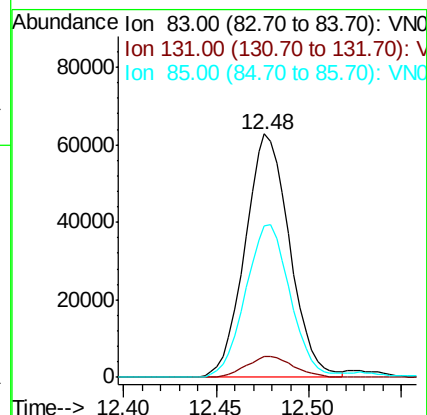
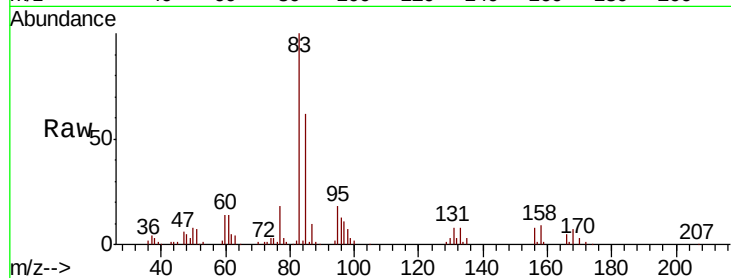
Tot Ion: 83 Resp: 105308

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

85 62.7 31.4 94.0



#72

1,2,3-Trichloropropane

Concen: 27.345 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064504.D

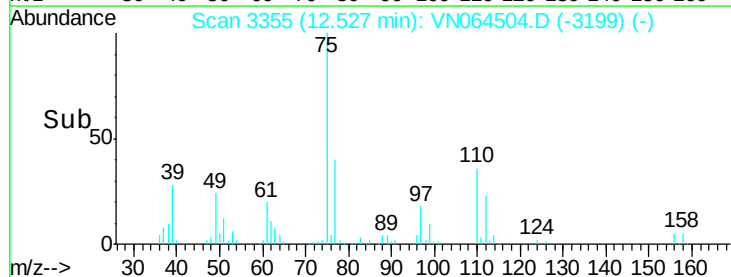
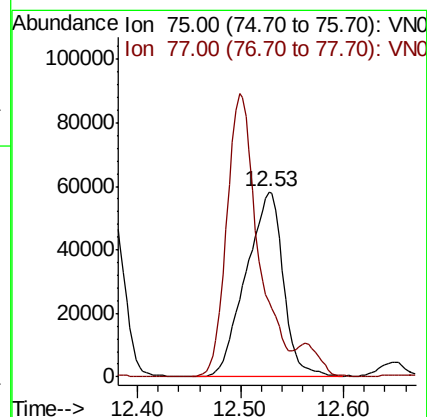
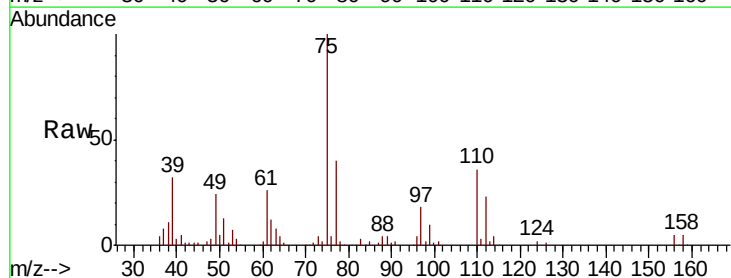
Acq: 9 Nov 2020 11:48

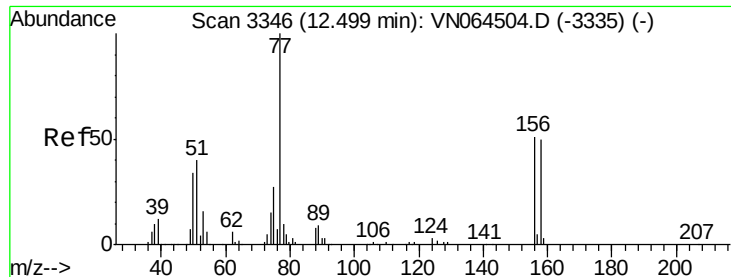
Tgt Ion: 75 Resp: 146664

Ion Ratio Lower Upper

75 100

77 129.0 0.0 379.4





#73

Bromobenzene

Concen: 16.872 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

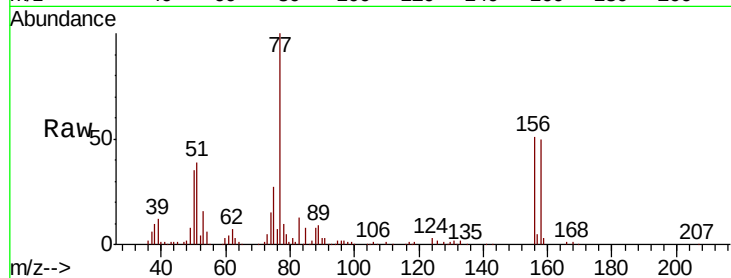
VSTDICCC020

Tot Ion:156 Resp: 78792

Ion	Ratio	Lower	Upper
156	100		
77	240.1	0.0	480.2
158	97.0	0.0	194.0

77 240.1 0.0 480.2

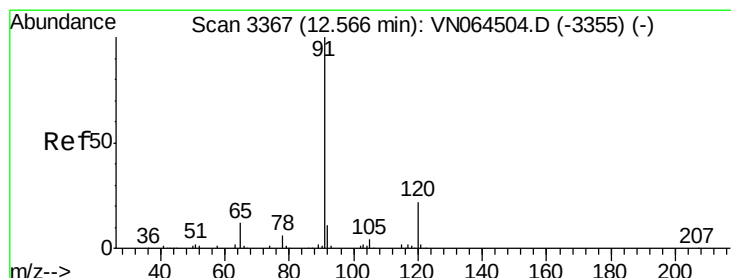
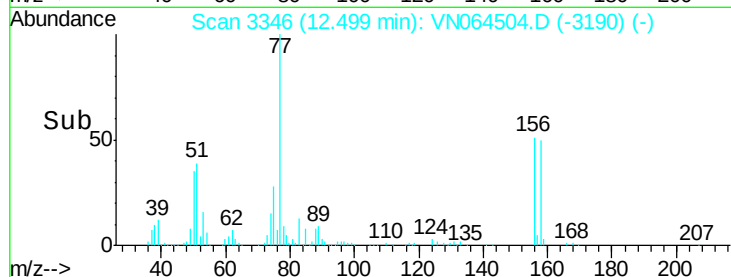
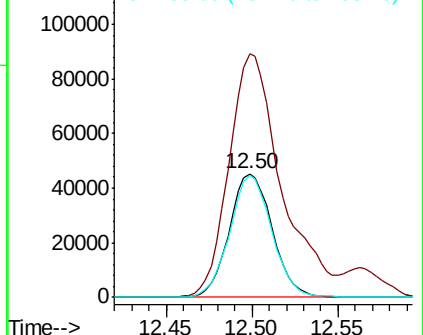
158 97.0 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.703 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064504.D

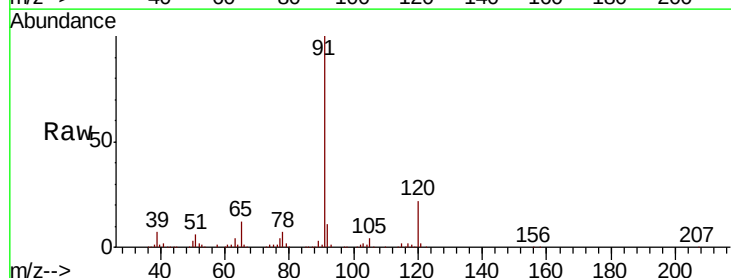
Acq: 9 Nov 2020 11:48

Tgt Ion: 91 Resp: 378740

Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	42.8

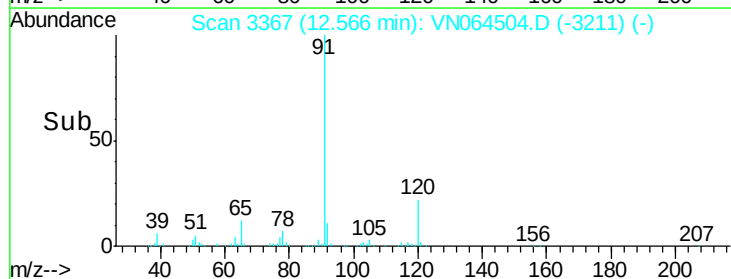
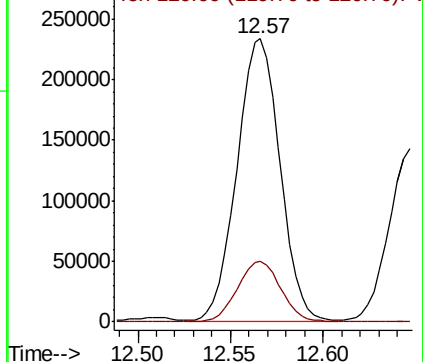
91 100

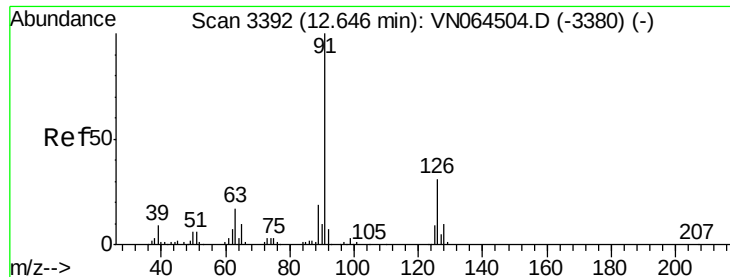
120 21.4 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.015 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

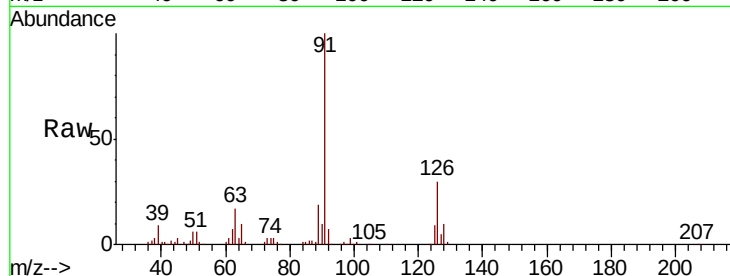
VSTDICCC020

Tot Ion: 91 Resp: 243548

Ion Ratio Lower Upper

91 100

126 30.9 0.0 61.8



Abundance Ion 91.00 (90.70 to 91.70): VN064504.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064504.D (-3380) (-)

250000

200000

150000

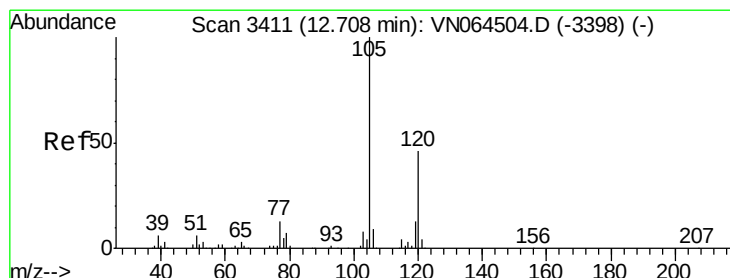
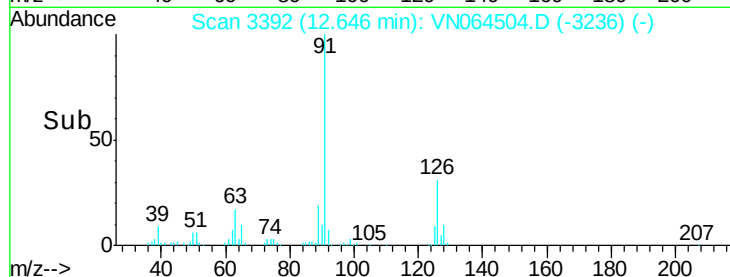
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.252 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064504.D

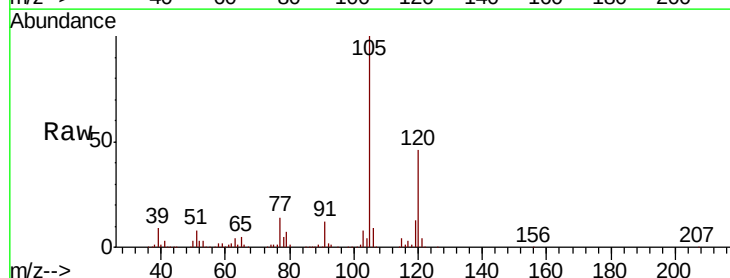
Acq: 9 Nov 2020 11:48

Tgt Ion: 105 Resp: 276611

Ion Ratio Lower Upper

105 100

120 45.2 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): VN064504.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064504.D (-3398) (-)

200000

150000

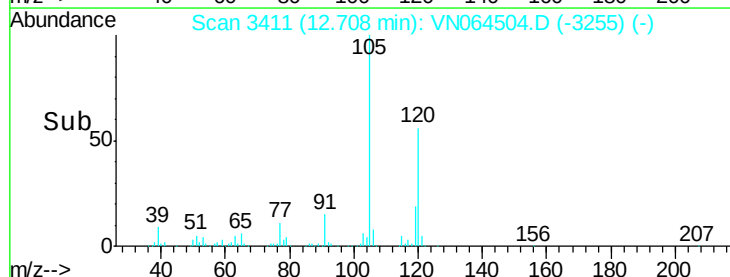
100000

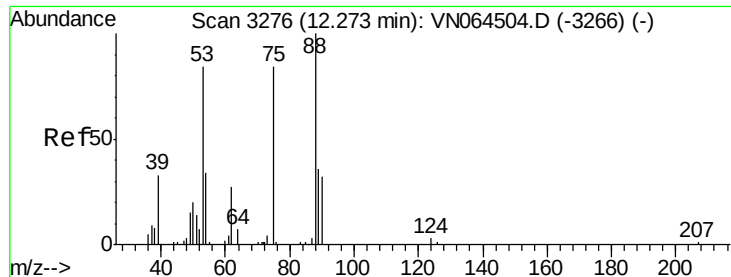
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.910 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

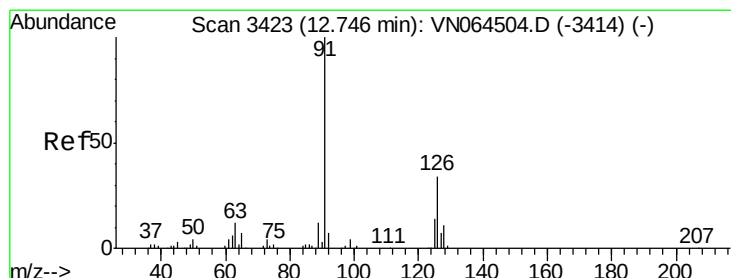
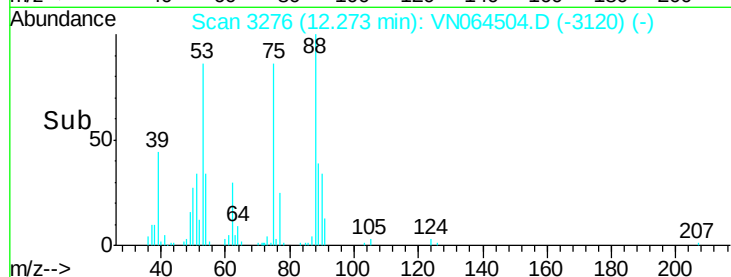
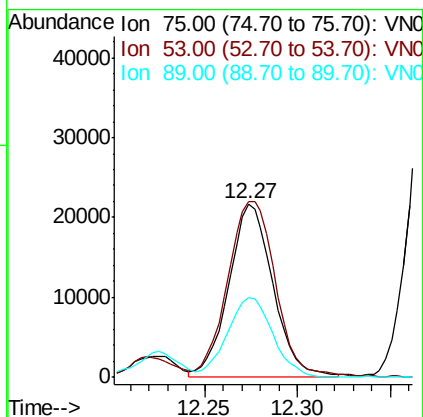
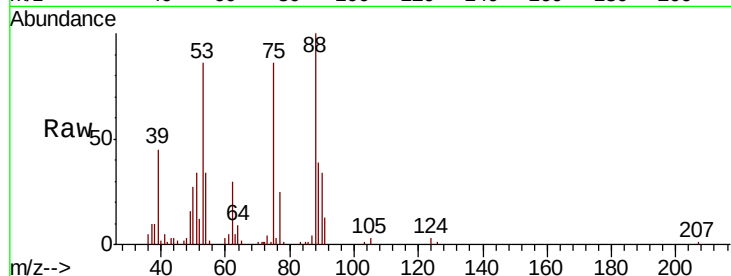
Tot Ion: 75 Resp: 36075

Ion Ratio Lower Upper

75 100

53 100.6 50.3 150.9

89 46.5 23.3 69.8



#78

4-Chlorotoluene

Concen: 19.031 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064504.D

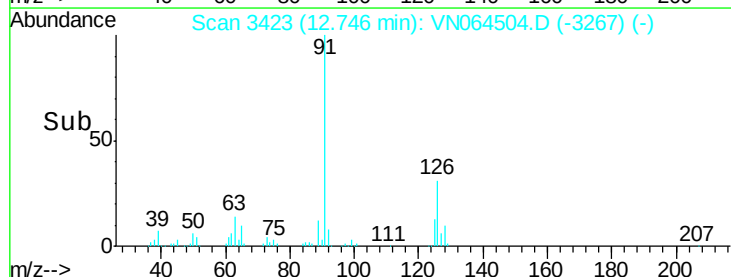
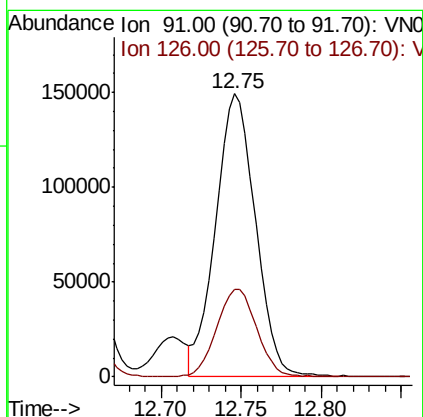
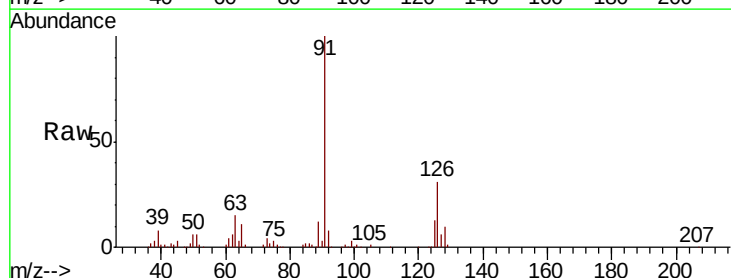
Acq: 9 Nov 2020 11:48

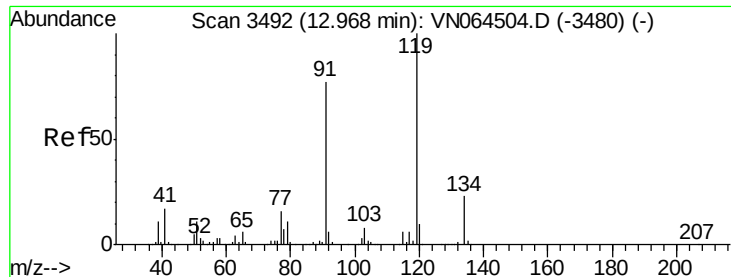
Tgt Ion: 91 Resp: 253159

Ion Ratio Lower Upper

91 100

126 30.9 0.0 61.8

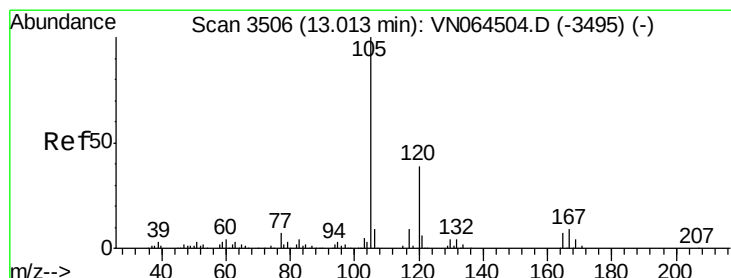
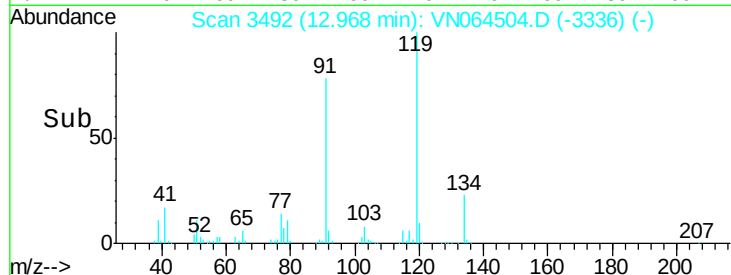
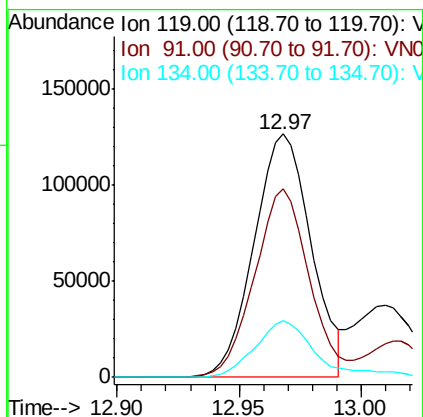
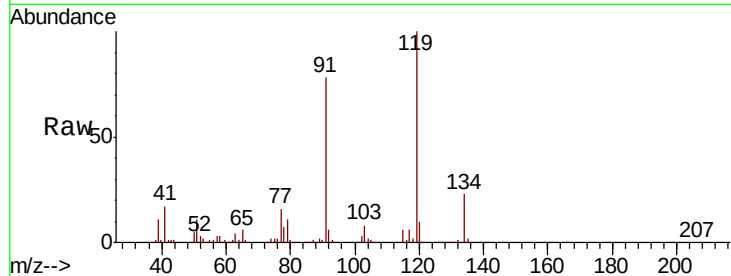




#79
tert-butylbenzene
Concen: 17.287 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

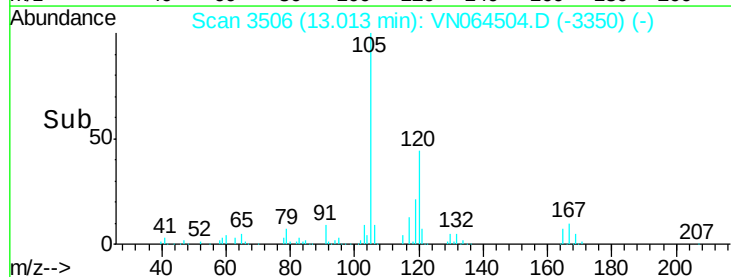
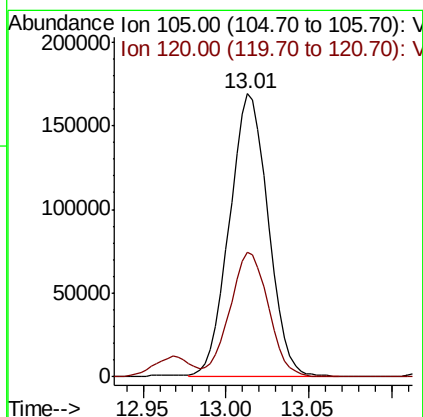
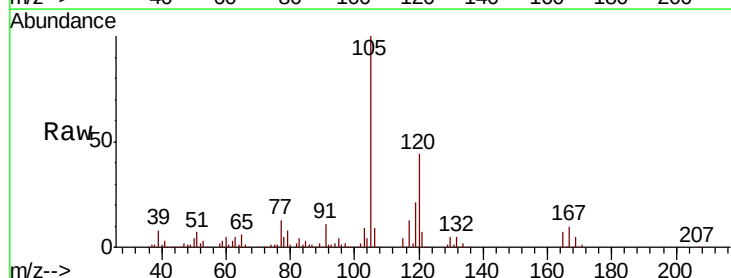
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

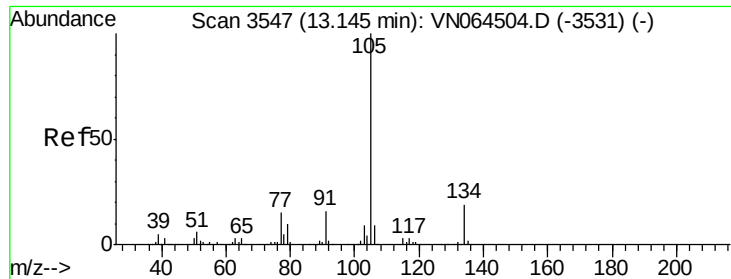
Tot Ion:119 Resp: 205946
Ion Ratio Lower Upper
119 100
91 73.9 0.0 147.8
134 25.3 0.0 50.6



#80
1,2,4-Trimethylbenzene
Concen: 17.906 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064504.D
Acq: 9 Nov 2020 11:48

Tgt Ion:105 Resp: 273277
Ion Ratio Lower Upper
105 100
120 44.3 0.0 88.6

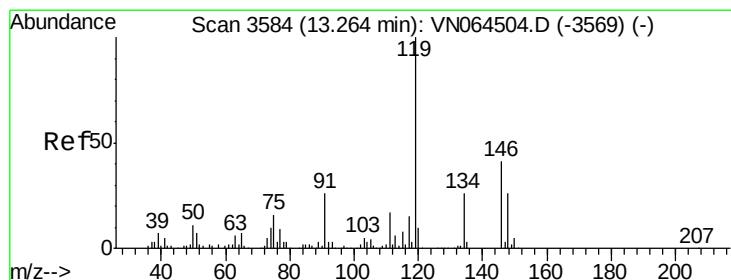
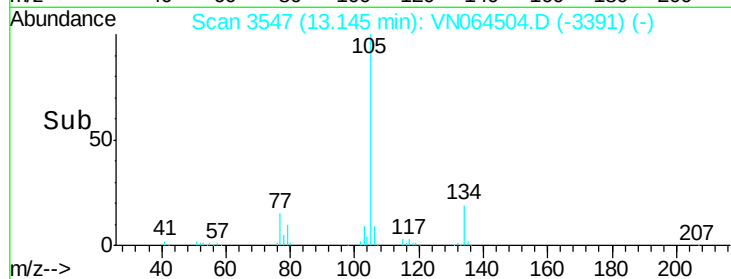
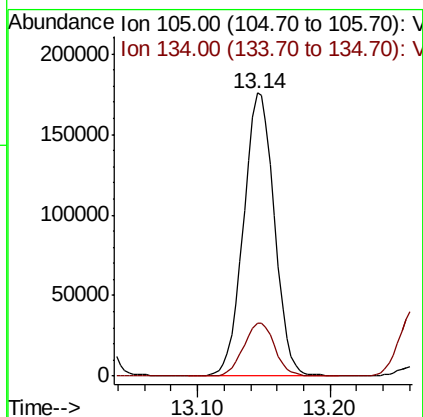
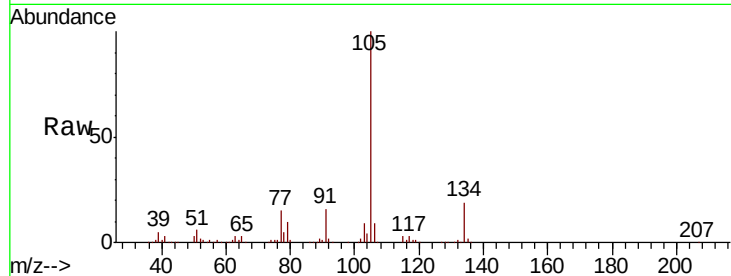




#81
 sec-Butylbenzene
 Concen: 18.538 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

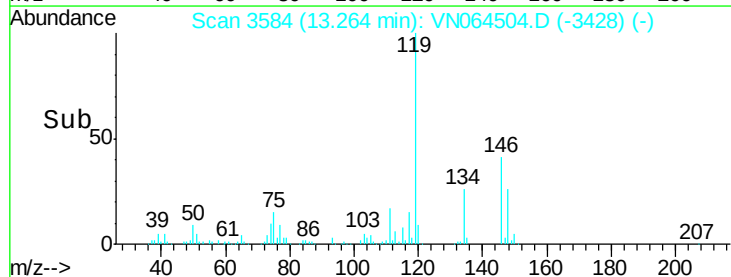
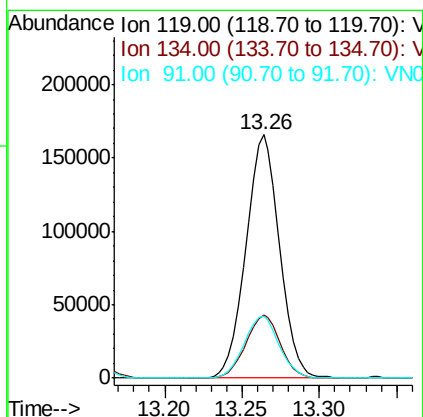
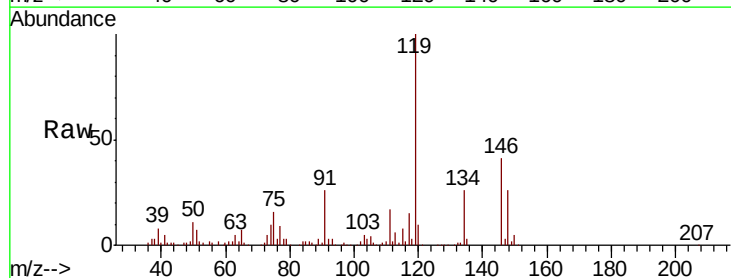
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

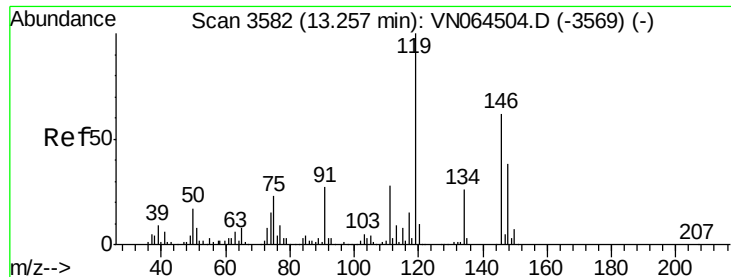
Tot Ion:105 Resp: 284032
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 37.8



#82
 p-Isopropyltoluene
 Concen: 17.868 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion:119 Resp: 250184
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 53.0
 91 26.6 0.0 53.2

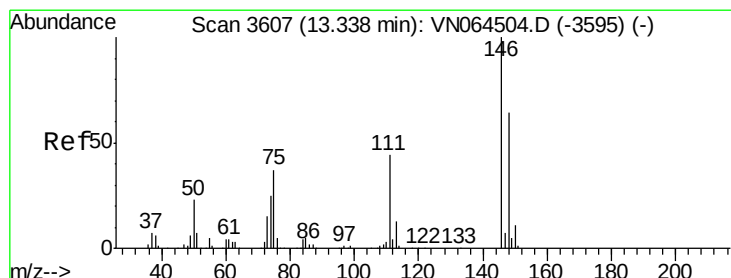
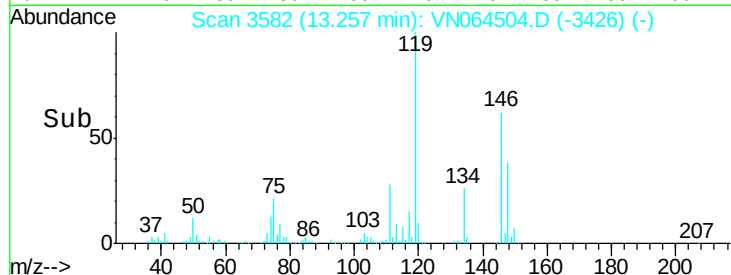
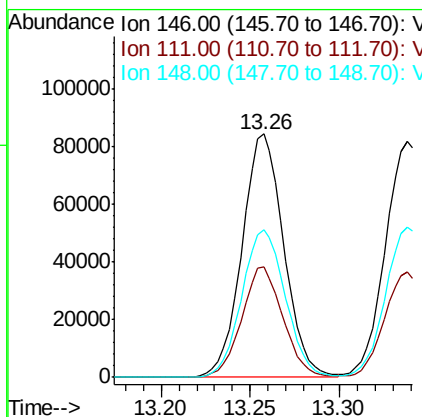
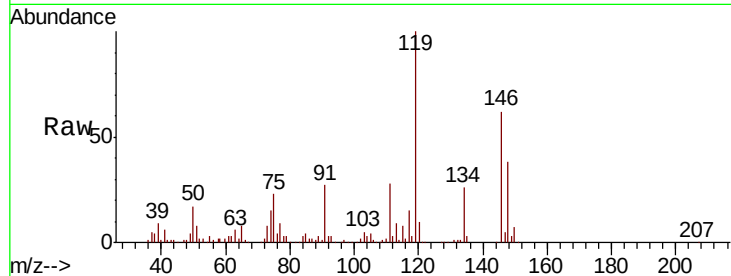




#83
 1,3-Dichlorobenzene
 Concen: 17.145 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

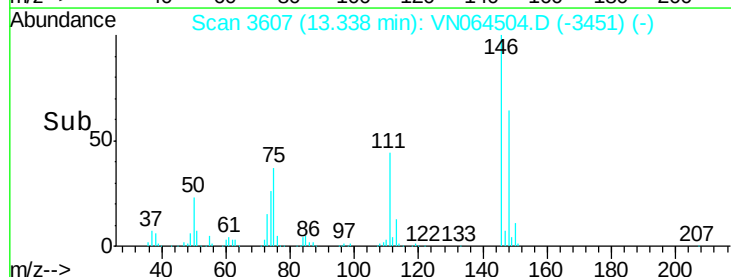
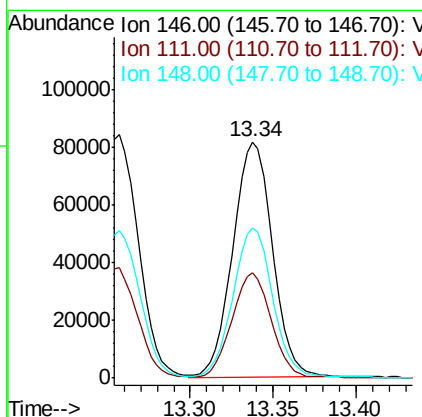
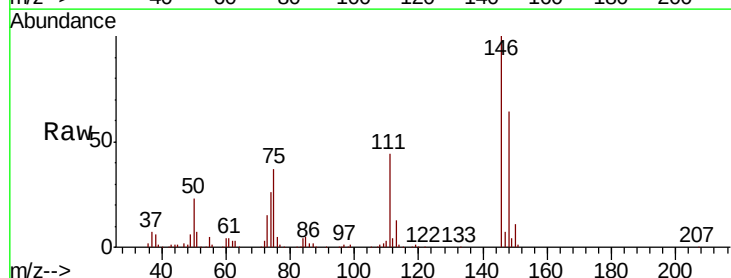
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

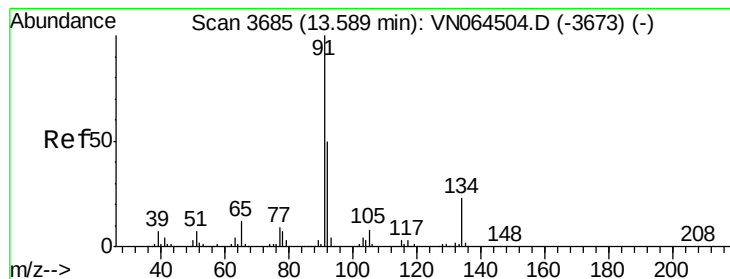
Tot Ion:146 Resp: 137668
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.3 66.9
 148 63.5 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 16.824 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion:146 Resp: 135354
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.8 65.4
 148 63.0 31.5 94.5





#85

n-Butylbenzene

Concen: 18.329 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

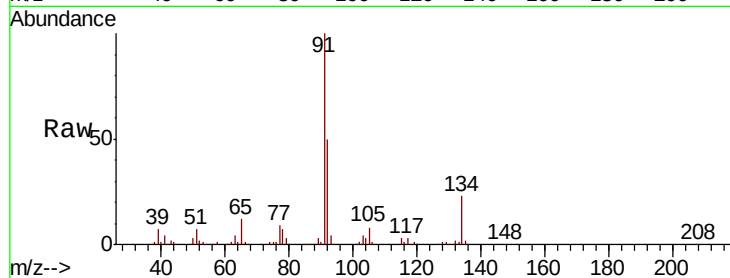
Tot Ion: 91 Resp: 205775

Ion Ratio Lower Upper

91 100

92 50.7 0.0 101.4

134 22.6 0.0 45.2

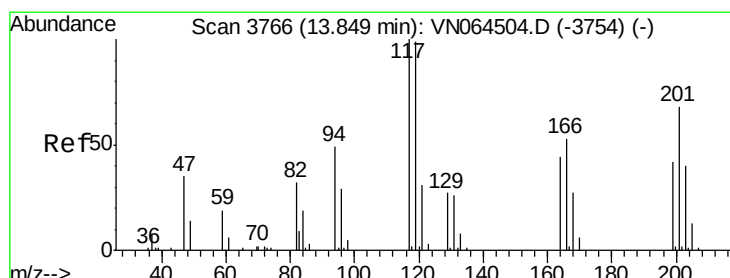
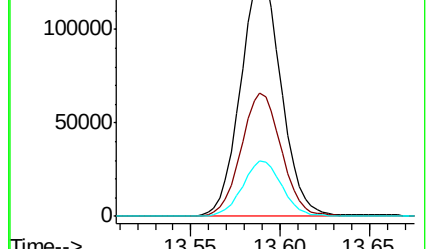
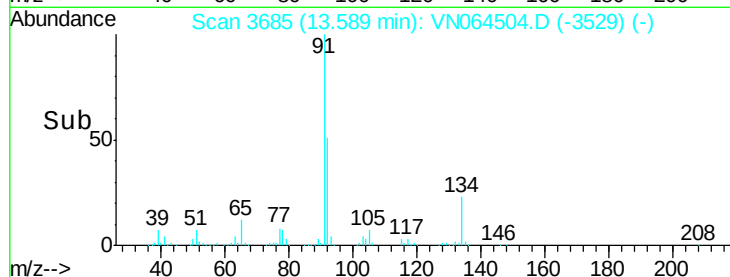


Abundance Ion 91.00 (90.70 to 91.70): VN064504.D (-3673) (-)

Ion 92.00 (91.70 to 92.70): VN064504.D (-3673) (-)

Ion 134.00 (133.70 to 134.70): VN064504.D (-3673) (-)

Time-->



#86

Hexachloroethane

Concen: 18.847 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064504.D

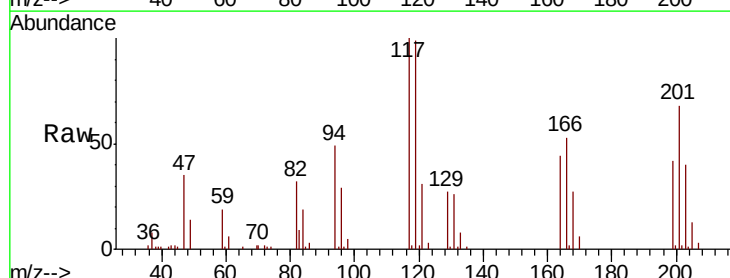
Acq: 9 Nov 2020 11:48

Tgt Ion: 117 Resp: 50370

Ion Ratio Lower Upper

117 100

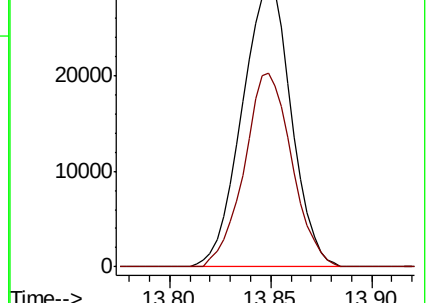
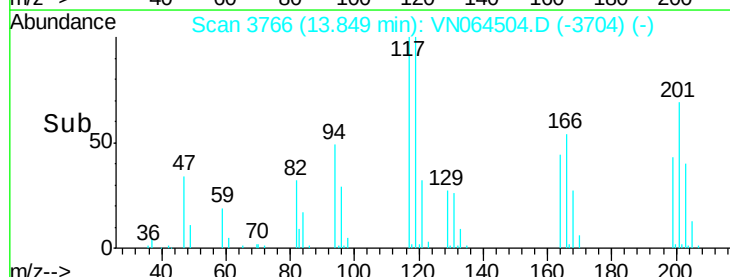
201 66.2 33.1 99.3

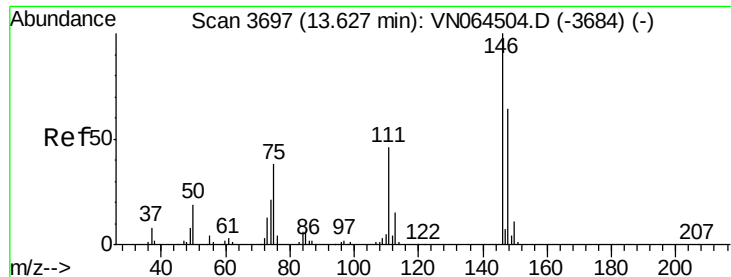


Abundance Ion 117.00 (116.70 to 117.70): VN064504.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN064504.D (-3754) (-)

Time-->

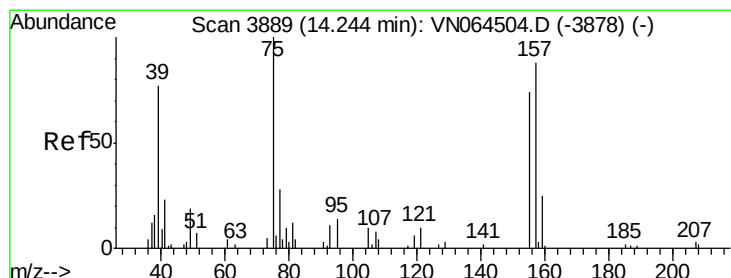
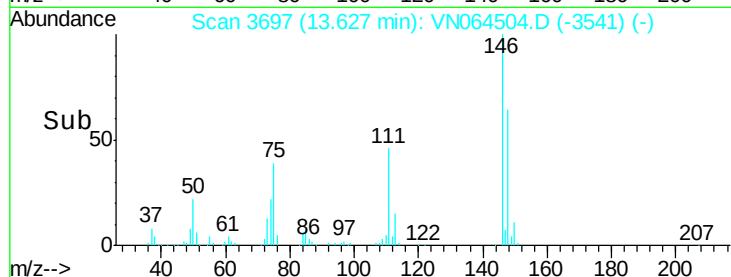
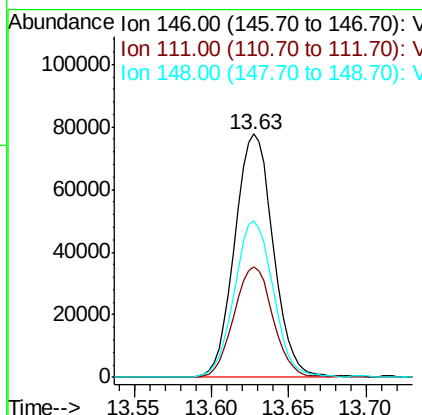
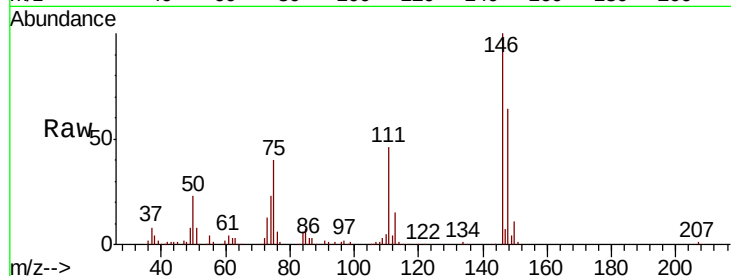




#87
 1,2-Dichlorobenzene
 Concen: 17.384 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

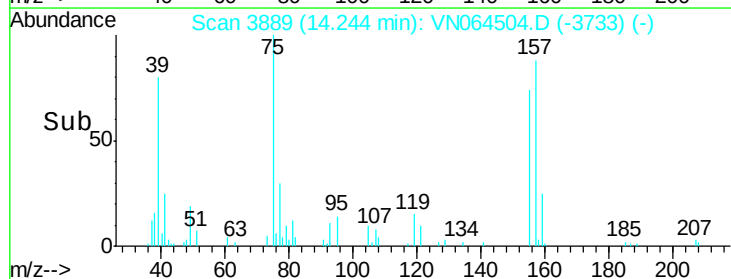
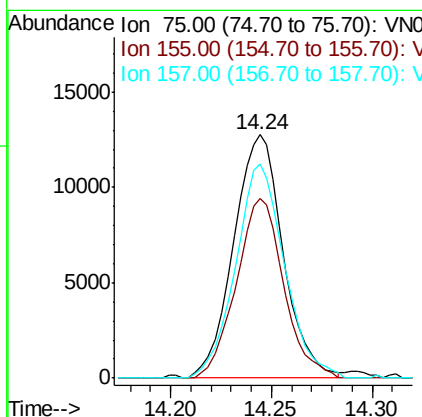
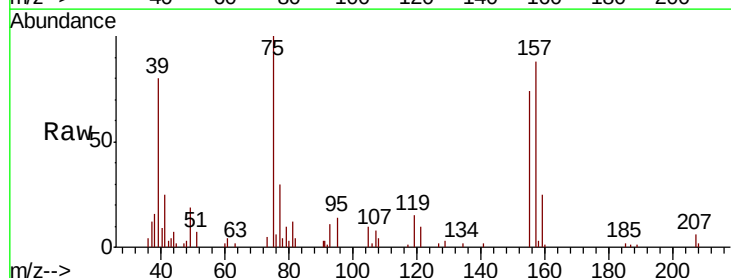
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

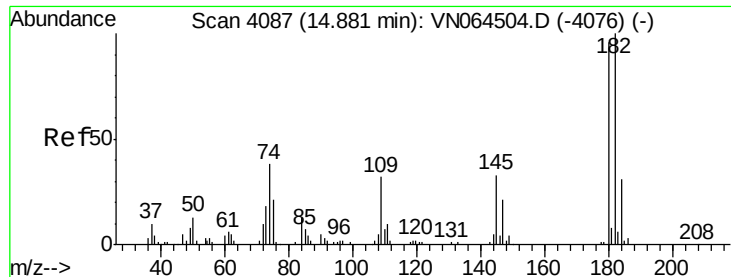
Tot Ion:146 Resp: 134110
 Ion Ratio Lower Upper
 146 100
 111 46.1 23.1 69.2
 148 65.2 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.507 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion: 75 Resp: 21908
 Ion Ratio Lower Upper
 75 100
 155 70.6 56.5 84.7
 157 87.1 69.7 104.5

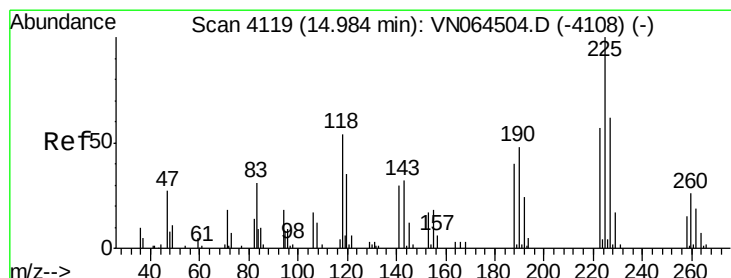
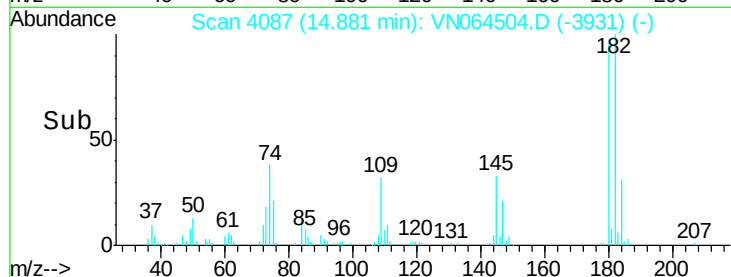
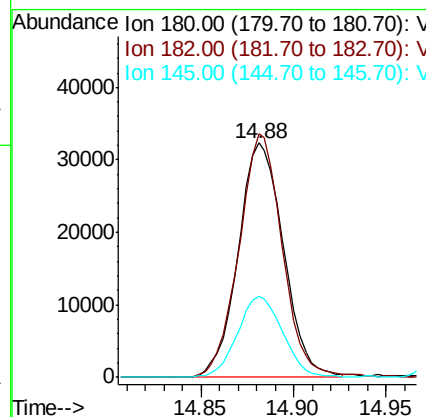
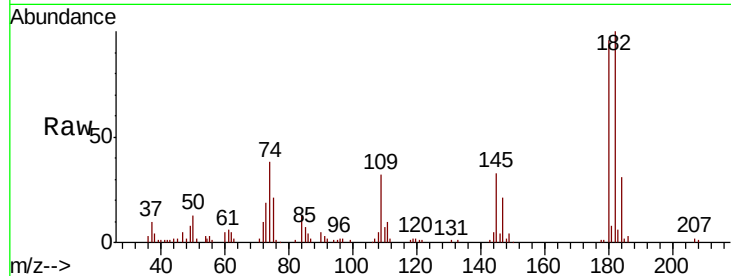




#89
 1,2,4-Trichlorobenzene
 Concen: 14.795 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

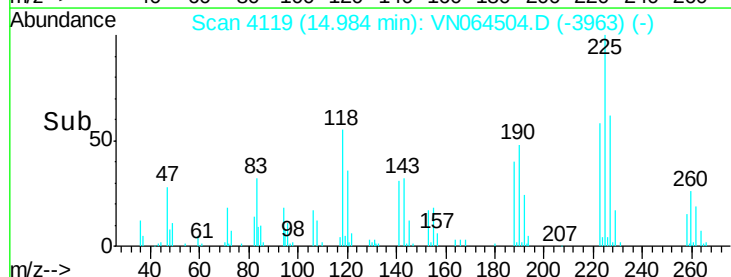
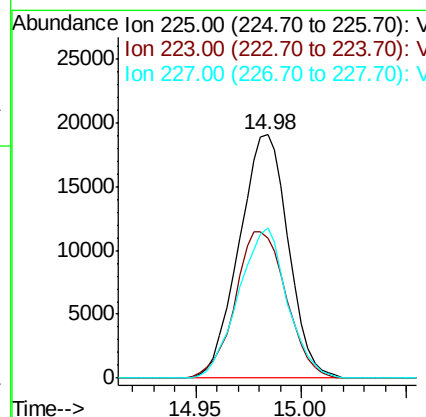
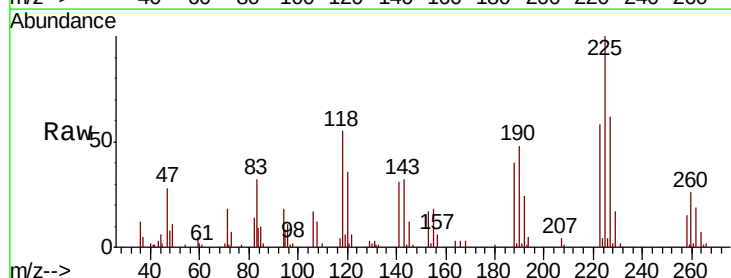
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

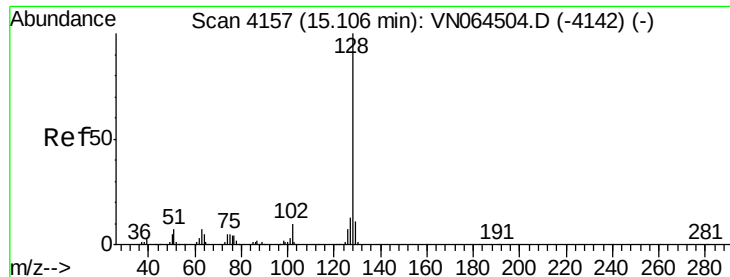
Tot Ion:180 Resp: 54927
 Ion Ratio Lower Upper
 180 100
 182 99.2 79.4 119.0
 145 34.5 27.6 41.4



#90
 Hexachlorobutadiene
 Concen: 15.620 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064504.D
 Acq: 9 Nov 2020 11:48

Tgt Ion:225 Resp: 30852
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 125.4
 227 61.0 0.0 122.0





#91

Naphthalene

Concen: 15.519 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

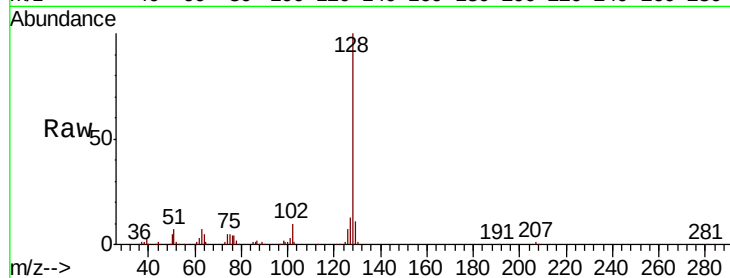
Tot Ion:128 Resp: 174509

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

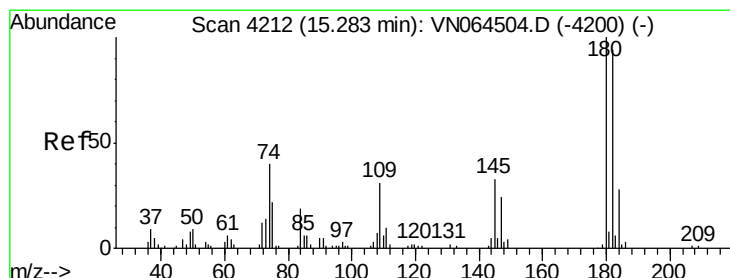
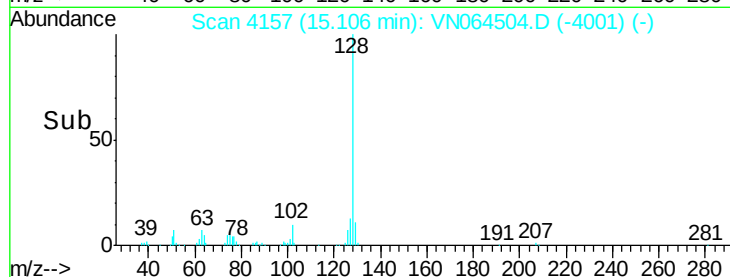
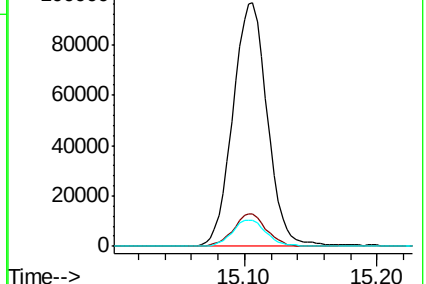
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.449 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064504.D

Acq: 9 Nov 2020 11:48

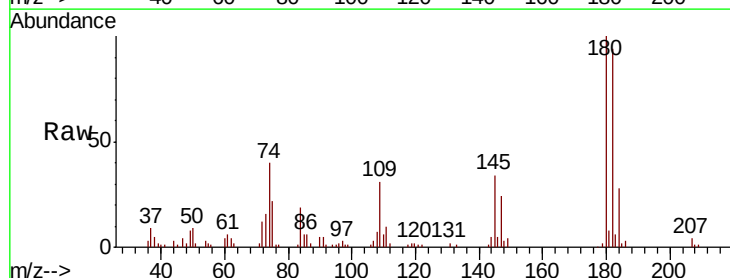
Tgt Ion:180 Resp: 57691

Ion Ratio Lower Upper

180 100

182 93.0 0.0 186.0

145 34.8 0.0 69.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

